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Ohio Labor Market Information Review

1987 Annual Summary

Summary. Ohio's nonagricultural wage and salary employment increased by 107,500 jobs during 1987. The rate of expansion, 2.4 percent, was slightly higher than the 1986 rate of 2.3 percent. Greatest over-the-year improvements occurred in services and retail trade, although the greatest rate of increase was reported in construction. Employment in the manufacture of durable goods declined for the third consecutive year; it has decreased in seven of the last eight years. Manufacturing employment declined during the first half of the year, but did show some improvement from August to December 1987. (See table, page 4, top.)

In 1987, Ohio nonfarm employment rose above prerecession annual average highs for the first time. Nearly 95 percent of the jobs added since 1983 were in the nonmanufacturing sector, as the erosion of manufacturing jobs continued. The structural change from the production of goods to the production of services in Ohio and in the U.S. is shown in the table below. As manufacturing employment continues to decline in the state and the nation, jobs are shifting to the service-producing sector. In Ohio, a boost in the number of construction jobs reduced the size of this shift in 1987. In service-producing industries, services, retail trade, and finance, insurance, and real estate employment shares increased from 1979 to 1983, and have continued to do so in the post-recessionary period. Most new jobs have opened in services and in retail trade.

Percent Of Employment in Nonagricultural Divisions
Ohio and U.S., 1979, 1983, and 1987

Industry	Ohio			U.S.		
	1979	1983	1987	1979	1983	1987
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0
Goods Producing	35.6	29.9	28.2	29.5	26.0	24.4
Mining	.7	.7	.5	1.1	1.1	.7
Construction	4.1	3.2	3.9	5.0	4.4	4.9
Manufacturing	30.8	26.0	23.9	23.4	20.5	18.7
Service Producing	64.4	70.1	71.8	70.5	74.0	75.6
Transportation and Public Utilities	5.2	4.9	4.5	5.7	5.5	5.3
Wholesale Trade	5.2	5.4	5.4	5.8	5.8	5.7
Retail Trade	16.5	17.4	18.5	16.7	17.2	17.9
Finance, Insurance, and Real Estate	4.5	5.1	5.3	5.5	6.1	6.5
Services	18.0	21.3	23.0	19.1	21.8	23.6
Government	15.0	16.0	15.0	17.8	17.6	16.7

Labor Force. The civilian labor force in Ohio reached a record high of 5,248,000 in 1987, a .3 percent increase over 1986. The U.S. civilian labor force grew 1.7 percent over the year. (See table, page 2.)

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Grace Kilbane, Acting Administrator

Total Employment. According to the household survey, total employment averaged 4,881,000 in the state of Ohio in 1987, an increase of 75,000, or 1.6 percent, over the previous year and a new all-time high. U.S. employment advanced 2.6 percent over the year.

Civilian Labor Force Estimates for Ohio and the U.S.
(Employed and Unemployed in Thousands)

Ohio				Year	United States			
Civilian Labor Force					Civilian Labor Force			
	Employment					Employment		
		Unemployment					Unemployment	
		Total	Rate				Total	Rate
4,623	4,425	198	4.3	1973	89,429	85,064	4,365	4.9
4,710	4,485	225	4.8	1974	91,949	86,794	5,156	5.6
4,723	4,294	429	9.1	1975	93,775	85,846	7,929	8.5
4,751	4,380	370	7.8	1976	96,158	88,752	7,406	7.7
4,833	4,520	312	6.5	1977	99,009	92,017	6,991	7.1
4,959	4,690	268	5.4	1978	102,251	96,048	6,202	6.1
5,059	4,760	299	5.9	1979	104,962	98,824	6,137	5.8
5,089	4,663	426	8.4	1980	106,940	99,303	7,637	7.1
5,100	4,608	492	9.6	1981	108,670	100,397	8,273	7.6
5,114	4,474	640	12.5	1982	110,204	99,526	10,678	9.7
5,099	4,478	621	12.2	1983	111,550	100,834	10,717	9.6
5,089	4,609	480	9.4	1984	113,544	105,005	8,539	7.5
5,135	4,680	455	8.9	1985	115,461	107,150	8,312	7.2
5,231	4,806	425	8.1	1986	117,834	109,597	8,237	7.0
5,248	4,881	367	7.0	1987	119,865	112,440	7,425	6.2

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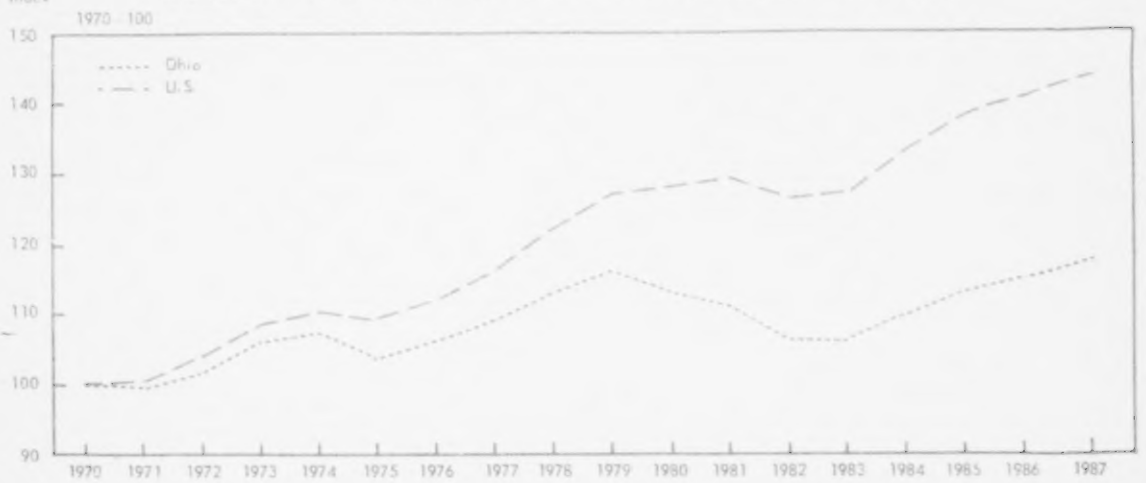
Unemployment. Averaging 367,000 for the year, the number of unemployed workers in Ohio was down from 425,000 in 1986. The average unemployment rate fell from 8.1 percent in 1986 to 7.0 percent in 1987. The national unemployment rate dropped to 6.2 percent in 1987, from 7.0 percent in 1986.

OHIO AND U.S. UNEMPLOYMENT RATES

Nonagricultural Wage and Salary Employment. Nonfarm wage and salary employment in Ohio increased 2.4 percent from 1986 to 1987. At 4,578,900, the 1987 level was 107,500 above the 1986 level, and 94,100 above the prerecession high in 1979. These all-time high averages resulted from significant employment increases in nonmanufacturing industries, particularly services, retail trade, and construction. Important improvements were noted in finance, insurance, and real estate, government, especially local schools, wholesale trade, and transportation and public utilities. Employment in durable-goods manufacturing and mining continued to decline in 1987. However, 1987 employment in nondurable-goods manufacturing rose for the fourth straight year. (See table, page 4, top.)

INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



Growth Industries. Construction topped the list of Ohio's most rapidly growing industries in 1987. (See table, page 4, bottom.) Special trade contractors and general building contractors were one and two on the list this year. Significant expansion was also reported in business services, apparel stores, insurance carriers, transportation except railroads, health services, general merchandise stores, eating and drinking places, and local school districts.

Ohio Employment Changes, 1986-1987

Industry	1987 Employment (in thousands)	Employment Change 1986-1987	Percent Change 1986-1987
TOTAL	4,578.9	107.5	2.4
Manufacturing	1,095.3	-14.5	- 1.3
Durable Goods	736.4	-16.3	- 2.2
Nondurable Goods	358.9	1.8	.5
Nonmanufacturing	3,483.6	122.0	3.6
Mining	20.9	- 1.7	- 7.5
Construction	177.0	16.3	10.1
Transportation and Public Utilities	206.9	3.5	1.7
Wholesale Trade	248.7	4.4	1.8
Retail Trade	847.7	29.1	3.6
Finance, Insurance, and Real Estate	243.1	10.8	4.6
Services	1,051.2	50.2	5.0
Government	688.1	9.2	1.4

Employment Gains and Losses
Ohio and U.S., 1986-1987

Growing and Declining Industries	1987 Ohio Employment (in thous.)	1986-1987 Percent Change	
		Ohio	U.S.
Most Rapidly Growing Industries**			
Special Trade Contractors	109.5	10.1	5.0
General Building Contractors	44.6*	9.9	-1.2
Business Services	209.6	8.8	6.6
Apparel and Accessory Stores	41.8	7.2	2.9
Insurance Carriers	67.9	6.1	3.5
Transportation, Except Railroads	103.3*	5.6	4.9
Health Services	360.1	4.5	5.0
General Merchandise Stores	119.2*	3.4	1.8
Eating and Drinking Places	297.4	3.2	2.0
Local Government Education	254.7	1.5	2.6
Declining Industries			
Oil and Gas Extraction	7.0*	-11.4	-7.1
Railroad Transportation	14.0*	-10.3	-7.2
Transportation Equipment	148.0*	- 3.8	.0
Electric and Electronic Equipment	86.3*	- 3.1	-1.0
Stone, Clay, and Glass Products	48.0*	- 3.0	- .1
Nonelectrical Machinery	154.4*	- 2.6	-1.0
Apparel and Other Textile Products	15.9*	- 2.5	.7
Fabricated Metal Products	133.4*	- 2.3	- .2
Instruments and Related Products	23.0	- 1.3	-1.5
Communicaton, Electric, Gas Services	89.6*	- .6	1.1
Total, All Industries	4,578.9	2.4	2.5
Manufacturing	1,095.3*	- 1.3	.6
Nonmanufacturing	3,483.6	3.6	3.0

* 1987 employment is below 1979 level.
** Includes only employment sectors with changes of at least 2,800.

Declining Industries. In 1987, oil and gas extraction and railroad transportation again headed the list of Ohio's most rapidly declining industries. Transportation equipment, not on this list in 1986, jumped into third place this year, followed by electric and electronic equipment, stone, clay, and glass products, nonelectrical machinery, apparel and other textile products, fabricated metal products, instruments, and communication, electric, and gas services.

Ohio Employment Changes and Recovery Rates
By Selected Industry
Annual Averages for 1979, 1983, and 1987

Industry	Employment (thous.) Peak 1979	Trough 1983	Current 1987	Changes 79-83	83-87	Percent Recovery Ohio	U.S.
TOTAL	4,485	4,093	4,579	-392	486	124.0	+
Manufacturing	1,382	1,066	1,095	-316	29	9.2	24.2
Durable Goods	981	724	736	-257	12	4.7	23.3
Nondurable Goods	402	342	359	- 60	17	28.3	27.2
Nonmanufacturing	3,103	3,027	3,484	- 76	457	601.3	+
Mining	32	27	21	- 5	- 6	-	-
Construction	183	131	177	- 52	46	88.5	208.6
Transportation and Public Utilities	232	199	207	- 33	8	24.2	236.0
Wholesale Trade	233	223	249	- 10	26	260.0	+
Retail Trade	742	711	848	- 31	137	441.9	+
Finance, Insurance, and Real Estate	201	208	243	7	35	+	+
Services	806	873	1051	67	178	+	+
Government	674	656	688	- 18	32	177.8	1,262.5

\+ No downturn, 1979-1983.
\- No upturn, 1983-1987.

Losses and Recovery. Ohio has more than recovered the number of jobs lost during the 1979-1983 recessionary period. Since 1983, there has been a net increase of 486,000 jobs, or 124.0 percent of the number lost during the recession. (See table, above.) With the exceptions of services and finance, insurance, and real estate, all nonagricultural wage and salary employment divisions evidenced sharp declines between 1979 and 1983. Greatest losses occurred in the manufacture of durable goods and this sector, along with mining and nondurable goods, continued to decline between 1986 and 1987. Just 9.1 percent of factory jobs have been regained in Ohio, while 24.2 percent were regained nationwide. Nondurable-goods manufacturing and construction employment also dropped off significantly during the recessionary period. During the recovery period, however, 28.3 percent of nondurable-goods manufacturing jobs, and 88.5 percent of construction jobs were recovered. Most of the economic recovery in Ohio derived from the opening of new jobs in nonmanufacturing industries, especially in services, retail trade, and construction. Important increases were also reported in finance, insurance, and real estate, in government, especially local schools, and in wholesale trade.

Conclusion. Ohio's recovery advanced again in 1987, with the brightest spots in services, retail trade, and construction. Employment in manufacturing continued to decline during the first half, but showed some improvement from August through December 1987. Unemployment was at its lowest level since 1979, while total employment achieved an all-time high. The shift in employment toward service-producing industries continued in Ohio and the U.S., but Ohioshowed much greater improvement in construction.

The Ohio Labor Force, 1987

Each month, the U.S. Bureau of the Census conducts a national household survey, the Current Population Survey (CPS), which the U.S. Bureau of Labor Statistics uses to measure the nation's employment and unemployment. Statewide labor force estimates for Ohio and ten other large states are derived directly from the CPS.

According to CPS data (see table below), the Ohio civilian labor force averaged 5,248,000 in 1987, comprising 4,881,000 employed and 367,000 unemployed. The unemployment rate was 7.0 percent, down from 8.1 percent in 1986.

For men, the unemployment rate was 7.2 percent, compared to 6.7 percent for women. Contrary to the norm in earlier years, men have had higher unemployment rates than women since 1980, when Ohio entered an extended period of economic recession. Industries with predominantly male work forces--mining, construction, manufacturing, and transportation and public utilities--were hard hit and, despite recent gains (except in mining and manufacturing, durable goods), have not returned to pre-1980 employment levels. On the other hand, the two industries with the highest proportion of female employees--services and finance, insurance, and real estate--added workers even during the recessions of the early 1980's. Women comprised 44.3 percent of the labor force and 42.2 percent of the unemployed in 1987.

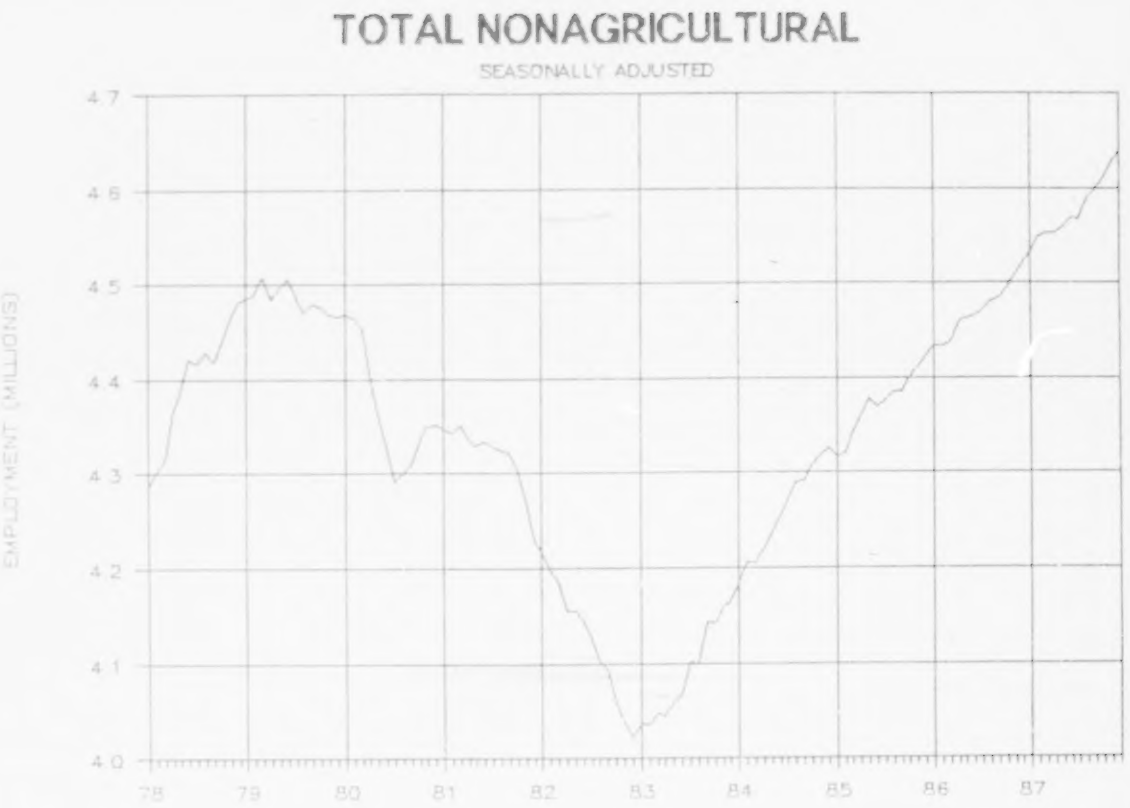
Unemployment rates were highest for young workers (16-24)--14.5 percent for men and 11.4 percent for women. For prime-age workers (25-54), the rates were 6.0 percent for men and 5.8 percent for women. Older workers (55 and over) had the lowest unemployment rates--3.8 percent for men and 3.2 percent for women.

In 1987, the nonwhite unemployment rate (14.8 percent) was more than double the rate for white workers (6.1 percent). The result was that while nonwhites made up 9.8 percent of the labor force, they constituted 20.7 percent of the unemployed. The nonwhite-to-white ratios for the two sexes differed very little in respect to unemployment rate. The rates were 14.1 percent for nonwhite men, 6.6 percent for white men, 16.0 percent for nonwhite women, and 5.6 percent for white women.

Later this year, the Ohio Bureau of Employment Services will provide additional labor force information in its publication, *Ohio at Work: A Chartbook for 1987*.

Employment Status of the Civilian Labor Force
By Sex, Race, and Age Group, Ohio, 1987

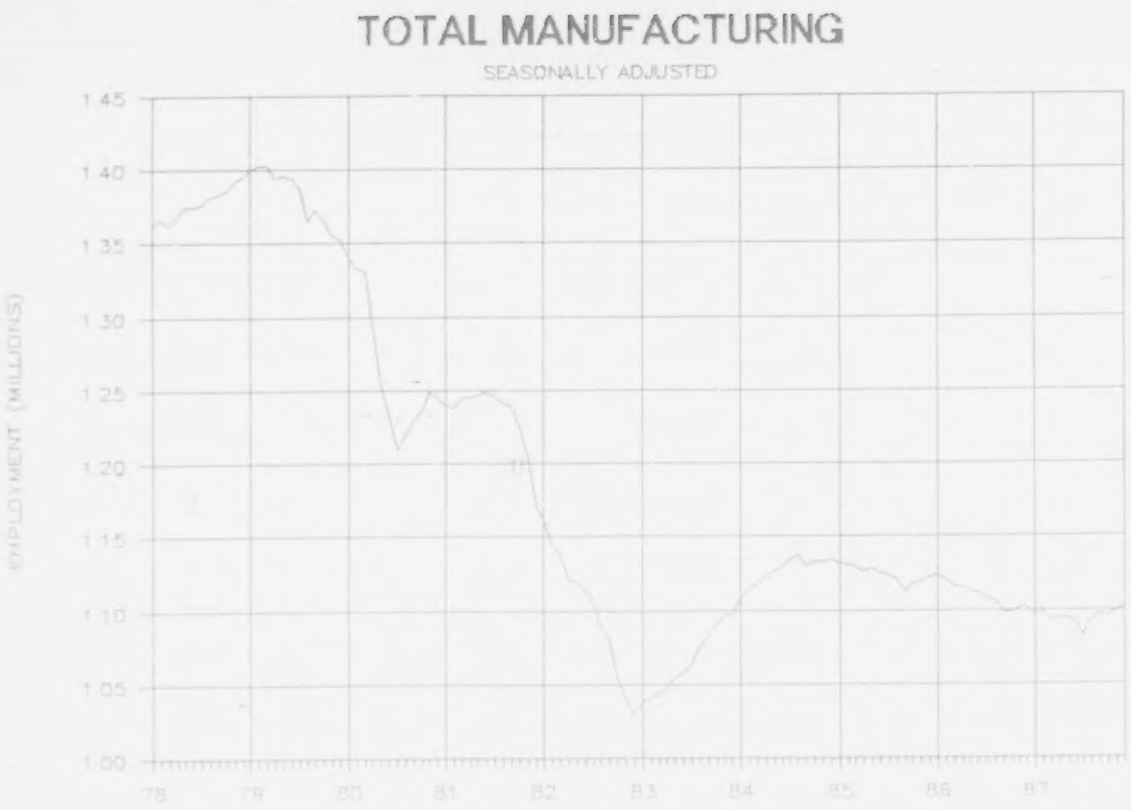
Characteristic	Civilian Labor Force	Employed	Unemployed	Unemployment Rate
Total, age 16 and over	5,248,000	4,881,000	367,000	7.0
Men, total	2,924,000	2,712,000	212,000	7.2
Young Men (16-24)	531,000	455,000	77,000	14.5
Prime-Age Men (25-54)	2,001,000	1,880,000	121,000	6.0
Older Men (55 and over)	391,000	377,000	15,000	3.8
Women, total	2,324,000	2,169,000	155,000	6.7
Young Women (16-24)	493,000	436,000	56,000	11.4
Prime-Age Women (25-54)	1,582,000	1,492,000	91,000	5.8
Older Women (55 and over)	249,000	241,000	8,000	3.2
White, total	4,735,000	4,444,000	291,000	6.1
White Men	2,661,000	2,485,000	175,000	6.6
White Women	2,074,000	1,959,000	115,000	5.6
Nonwhite, total	513,000	437,000	76,000	14.8
Nonwhite Men	263,000	227,000	37,000	14.1
Nonwhite Women	250,000	210,000	40,000	16.0



Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Total Nonagricultural

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	4,284	4,302	4,315	4,367	4,386	4,422	4,416	4,428	4,418	4,441	4,464	4,483
1979	4,484	4,490	4,508	4,484	4,497	4,505	4,486	4,470	4,479	4,478	4,469	4,466
1980	4,468	4,464	4,454	4,407	4,363	4,329	4,292	4,301	4,311	4,336	4,349	4,350
1981	4,347	4,342	4,351	4,336	4,330	4,334	4,330	4,325	4,322	4,302	4,270	4,228
1982	4,218	4,199	4,186	4,156	4,155	4,144	4,125	4,104	4,094	4,060	4,038	4,022
1983	4,037	4,037	4,047	4,047	4,058	4,068	4,101	4,100	4,143	4,142	4,158	4,165
1984	4,184	4,206	4,206	4,220	4,236	4,254	4,271	4,290	4,292	4,308	4,319	4,326
1985	4,317	4,320	4,342	4,359	4,378	4,370	4,376	4,385	4,386	4,399	4,410	4,423
1986	4,433	4,435	4,437	4,458	4,463	4,464	4,472	4,481	4,484	4,495	4,509	4,521
1987	4,532	4,549	4,552	4,552	4,560	4,568	4,567	4,589	4,597	4,610	4,626	4,638

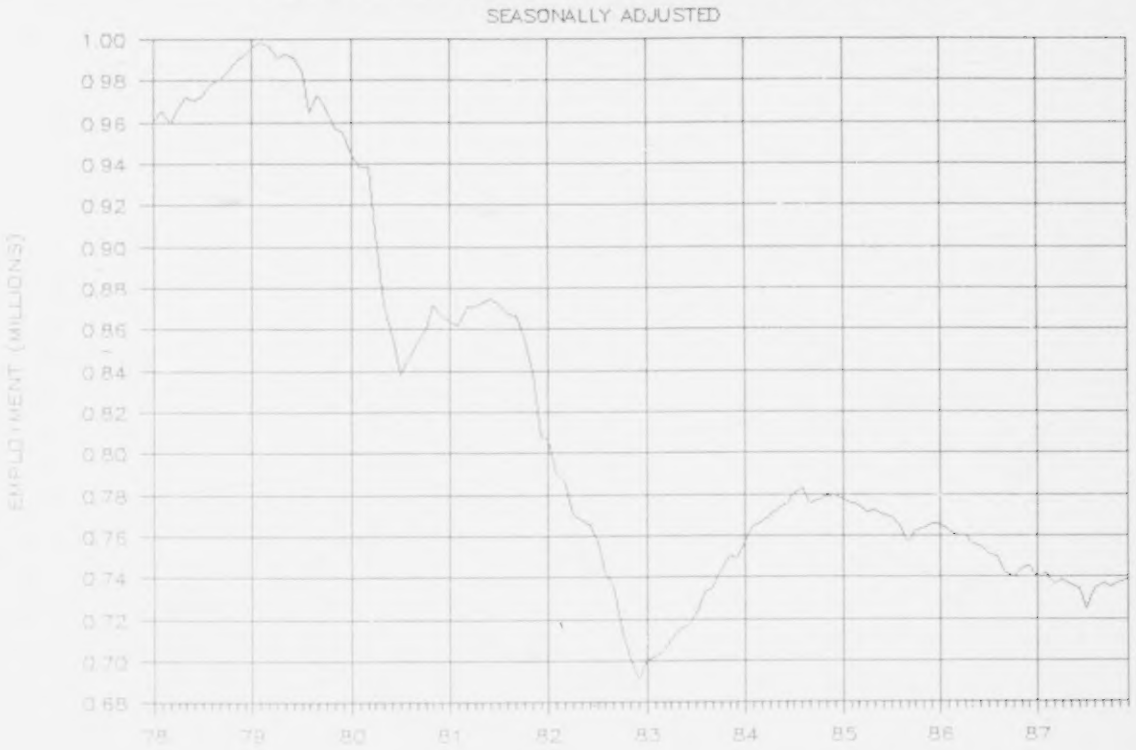


Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Total Manufacturing

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	1,362	1,367	1,362	1,370	1,375	1,375	1,376	1,382	1,383	1,387	1,392	1,396
1979	1,400	1,403	1,402	1,395	1,396	1,394	1,387	1,366	1,372	1,366	1,356	1,353
1980	1,341	1,333	1,331	1,296	1,255	1,234	1,209	1,220	1,229	1,236	1,249	1,244
1981	1,240	1,238	1,246	1,246	1,247	1,249	1,246	1,241	1,239	1,225	1,204	1,170
1982	1,163	1,145	1,139	1,121	1,118	1,114	1,105	1,089	1,081	1,055	1,040	1,029
1983	1,038	1,041	1,044	1,049	1,055	1,058	1,064	1,075	1,082	1,091	1,097	1,098
1984	1,108	1,115	1,119	1,123	1,127	1,130	1,134	1,138	1,130	1,133	1,134	1,135
1985	1,133	1,131	1,130	1,127	1,128	1,125	1,124	1,121	1,112	1,118	1,119	1,123
1986	1,124	1,120	1,117	1,117	1,112	1,112	1,108	1,107	1,098	1,098	1,102	1,103
1987	1,096	1,099	1,093	1,096	1,094	1,092	1,082	1,095	1,097	1,097	1,100	1,103

DURABLE GOODS MANUFACTURING

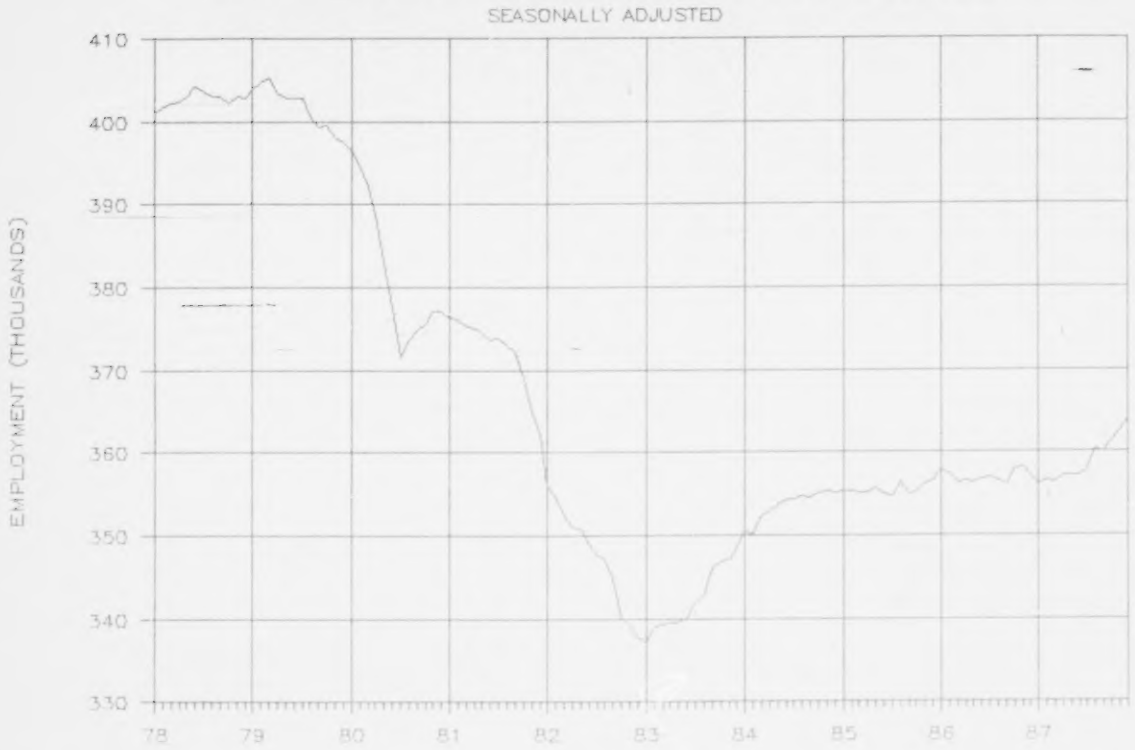


Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Durable Goods Manufacturing

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	961	965	960	967	972	971	973	979	980	984	989	993
1979	996	998	997	991	993	991	984	965	973	966	957	955
1980	944	938	939	907	871	857	838	847	854	860	872	867
1981	864	862	871	870	872	875	872	867	867	856	839	808
1982	807	791	786	770	767	765	757	742	736	715	701	691
1983	701	702	705	710	715	718	723	733	736	744	750	749
1984	757	765	767	770	773	776	780	783	775	778	779	780
1985	777	776	775	771	773	770	769	765	757	762	763	766
1986	766	763	760	760	755	755	751	750	742	740	744	745
1987	740	742	737	738	736	735	725	734	737	736	738	739

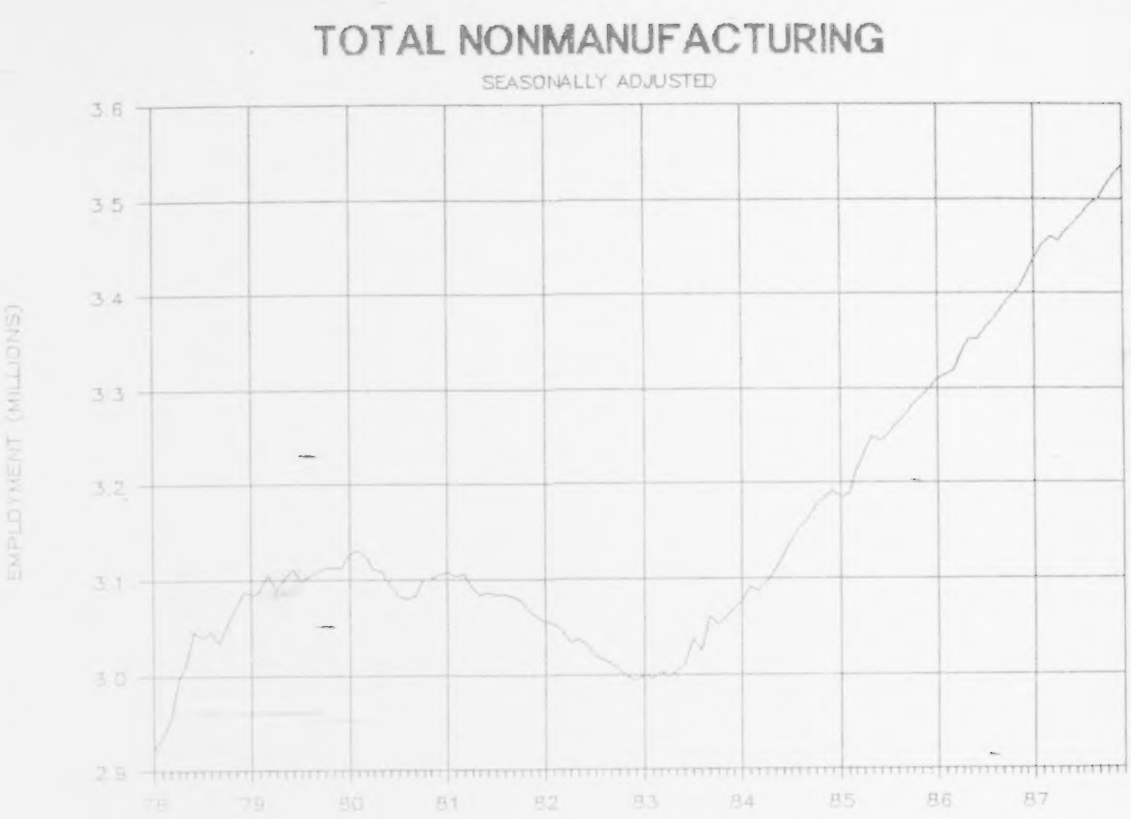
NONDURABLE GOODS MANUFACTURING



Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Nondurable Goods Manufacturing

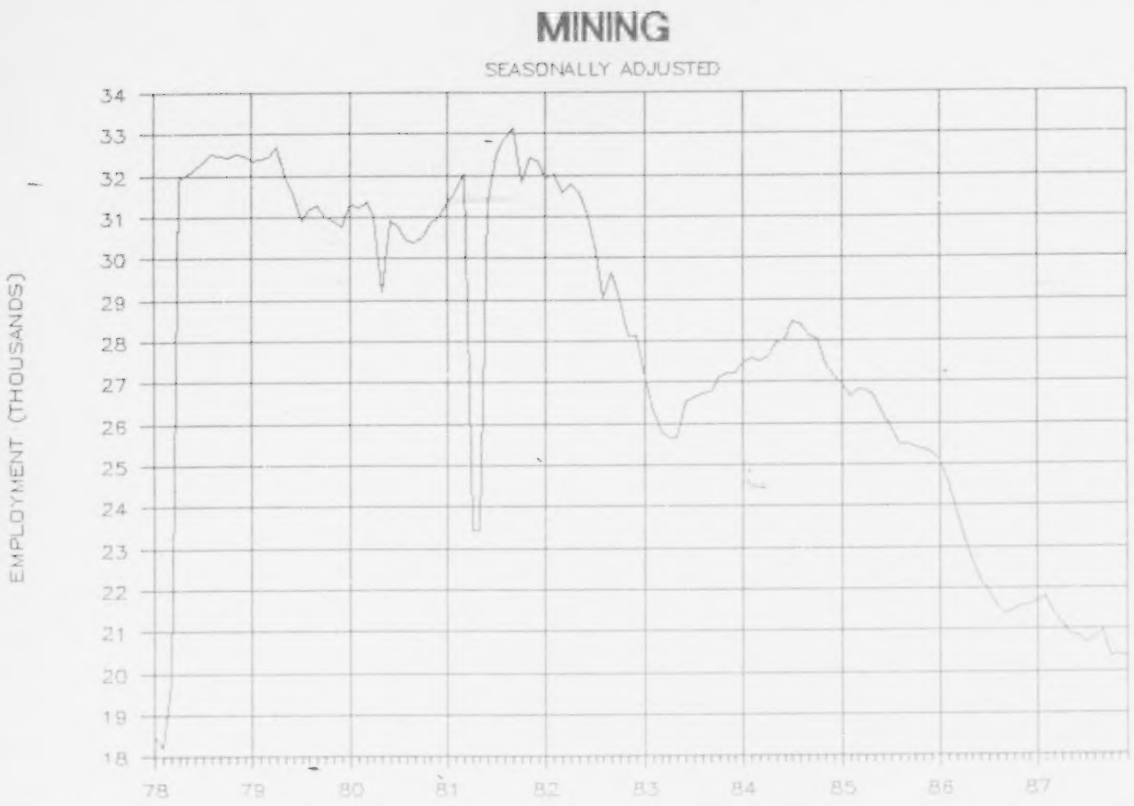
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	401	402	402	402	403	404	404	403	403	402	403	403
1979	404	405	405	403	403	403	403	401	399	399	398	397
1980	397	395	392	389	383	377	372	374	375	376	377	377
1981	376	376	375	375	375	374	374	373	372	369	365	362
1982	356	355	353	351	351	349	347	347	345	340	339	338
1983	337	339	339	339	340	340	342	343	346	347	347	348
1984	350	350	352	353	354	354	354	355	355	355	355	355
1985	355	355	355	355	356	355	355	356	355	355	356	357
1986	358	357	356	357	356	357	357	357	356	358	358	357
1987	356	357	356	357	357	357	358	360	360	361	362	364



Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Total Nonmanufacturing

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	2,922	2,935	2,953	2,998	3,011	3,047	3,040	3,046	3,035	3,055	3,072	3,087
1979	3,084	3,088	3,105	3,089	3,101	3,111	3,099	3,104	3,107	3,112	3,113	3,113
1980	3,128	3,131	3,123	3,112	3,109	3,095	3,082	3,081	3,082	3,100	3,100	3,106
1981	3,107	3,104	3,105	3,091	3,083	3,085	3,084	3,084	3,082	3,077	3,066	3,058
1982	3,056	3,053	3,047	3,035	3,036	3,030	3,020	3,015	3,012	3,005	2,998	2,993
1983	2,999	2,996	3,002	2,997	3,004	3,010	3,037	3,025	3,061	3,051	3,061	3,067
1984	3,077	3,091	3,087	3,097	3,109	3,124	3,137	3,152	3,162	3,175	3,185	3,191
1985	3,184	3,189	3,211	3,232	3,249	3,245	3,253	3,264	3,274	3,281	3,290	3,301
1986	3,310	3,314	3,321	3,342	3,351	3,352	3,364	3,374	3,385	3,397	3,406	3,418
1987	3,436	3,451	3,459	3,456	3,467	3,476	3,484	3,494	3,500	3,514	3,526	3,536



Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

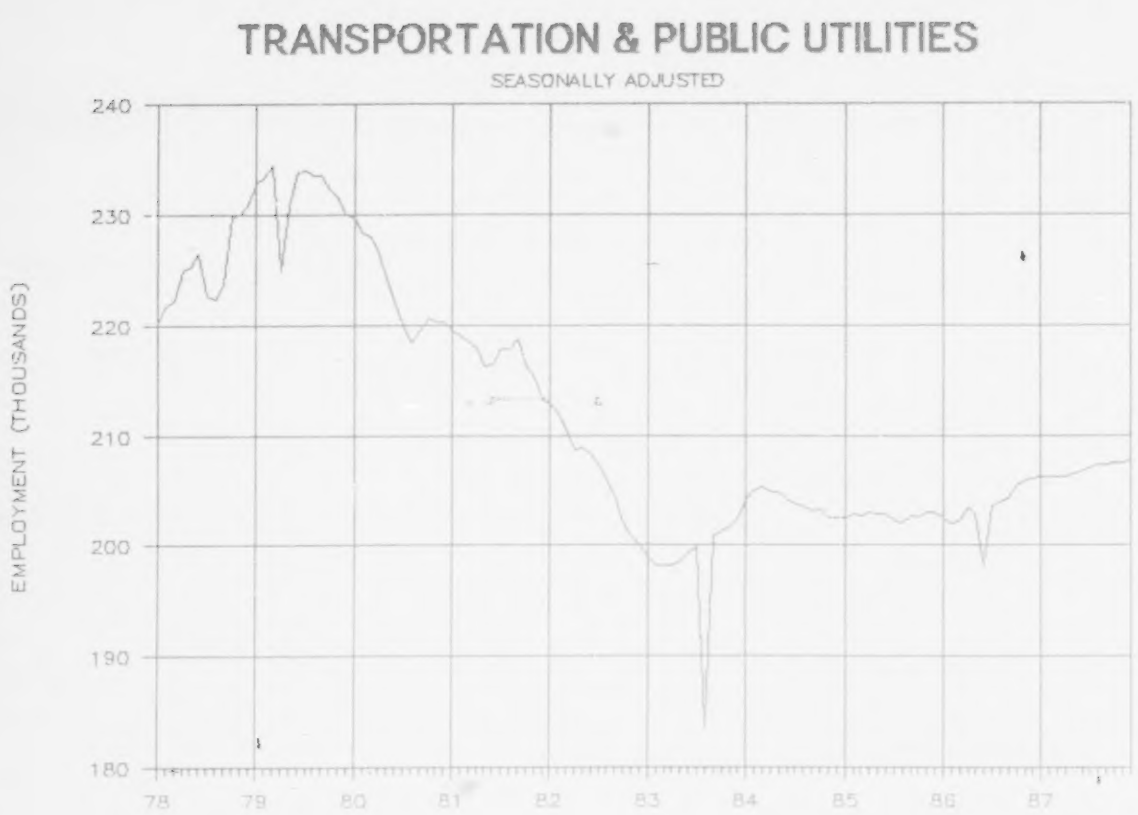
Mining

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	18	18	20	30	32	32	32	33	33	32	33	32
1979	32	32	32	33	32	32	31	31	31	31	31	31
1980	31	31	31	31	29	31	31	30	30	31	31	31
1981	31	32	32	23	23	31	32	33	33	32	32	32
1982	32	32	32	32	32	31	30	29	30	29	28	28
1983	27	26	26	26	26	27	27	27	27	27	27	27
1984	27	28	28	28	28	28	28	28	28	28	27	27
1985	27	27	27	27	27	26	26	26	25	25	25	25
1986	25	25	24	23	23	22	22	22	21	21	22	22
1987	22	22	21	21	21	21	21	21	21	20	20	20

Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Construction

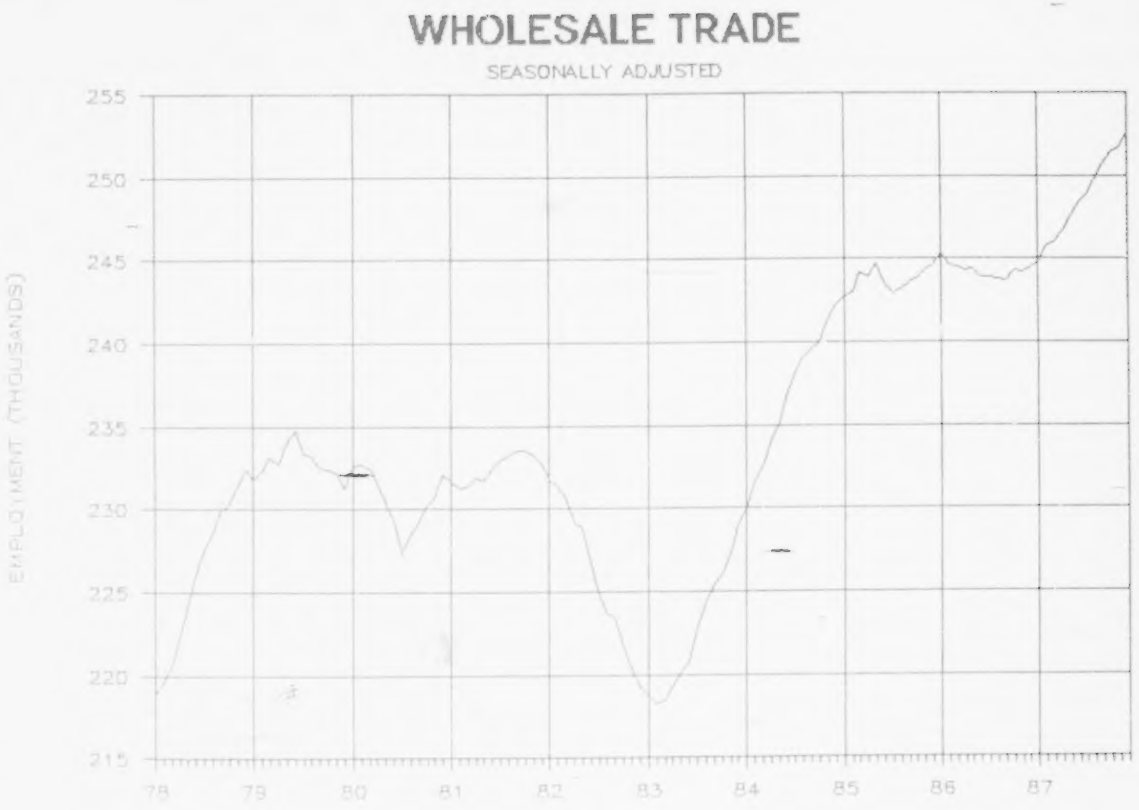
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	167	166	166	177	177	179	180	180	180	178	180	185
1979	180	178	185	183	185	185	184	184	182	181	182	185
1980	188	184	174	168	167	167	162	160	161	162	162	162
1981	162	162	162	160	155	153	155	152	151	149	146	144
1982	141	143	139	137	138	135	133	133	132	131	130	127
1983	127	126	127	123	126	129	131	133	134	135	137	138
1984	139	141	136	139	141	145	146	148	148	150	150	151
1985	150	146	151	155	155	154	154	155	156	156	156	158
1986	157	156	156	161	161	160	160	161	161	163	164	166
1987	173	174	175	173	174	175	176	177	178	180	182	185



Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Transportation and Public Utilities

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	220	222	222	225	225	226	223	222	224	230	230	231
1979	233	233	234	225	231	234	234	233	234	232	231	230
1980	230	228	228	227	224	222	220	218	219	221	220	220
1981	220	219	218	218	216	216	218	218	219	216	215	213
1982	213	212	211	209	209	208	207	206	205	202	201	200
1983	199	198	198	198	199	199	200	184	201	201	202	202
1984	204	205	205	205	205	204	204	204	203	203	203	202
1985	202	203	203	203	203	203	202	202	203	202	203	203
1986	203	202	202	203	203	198	204	204	204	205	206	206
1987	206	206	206	206	207	207	207	207	207	208	207	208



Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Wholesale Trade

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	219	220	221	223	224	226	227	228	230	230	231	232
1979	232	232	233	233	234	235	233	233	233	232	232	231
1980	233	233	232	232	230	229	227	229	229	230	231	232
1981	232	231	231	232	232	232	233	233	234	234	233	233
1982	232	231	231	229	229	227	225	224	223	222	220	219
1983	219	218	218	219	220	221	223	224	225	226	227	229
1984	230	232	233	234	235	237	238	239	240	240	241	242
1985	243	243	244	244	245	243	243	243	244	244	244	245
1986	245	245	244	244	244	244	244	244	244	244	244	244
1987	245	246	246	247	248	248	249	250	251	251	252	253

Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

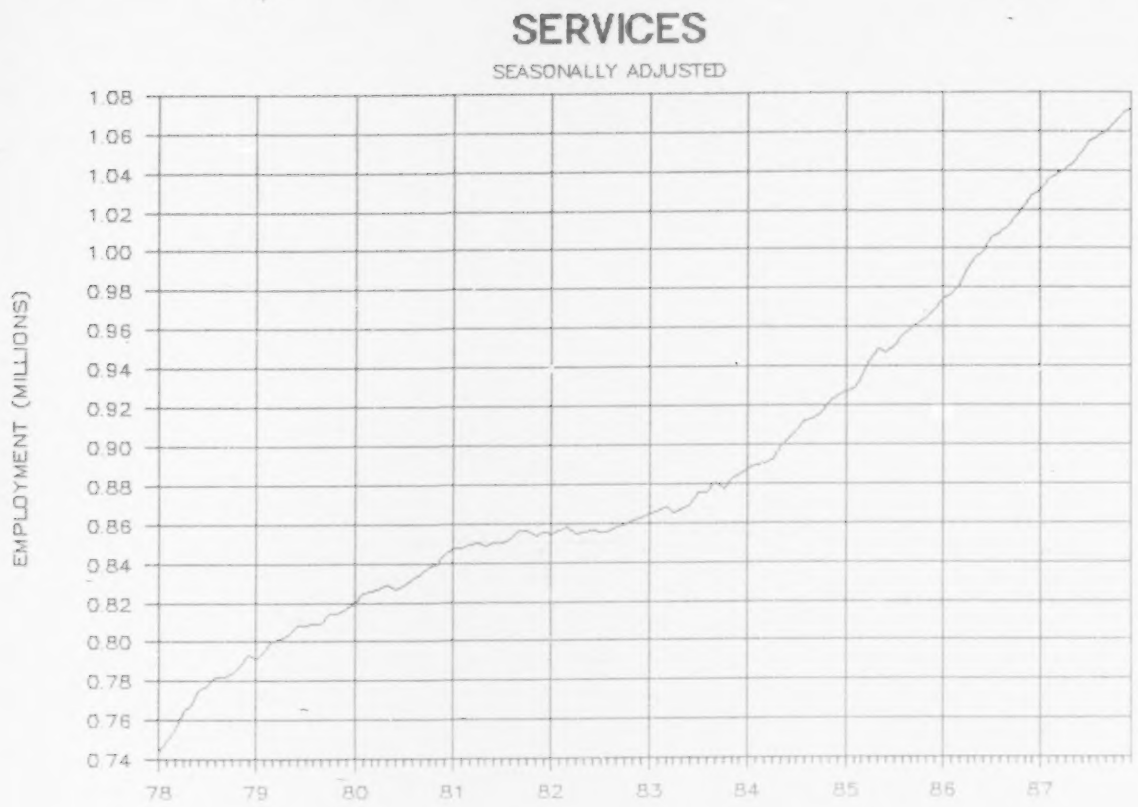
Retail Trade

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	712	713	719	727	729	733	734	736	737	738	741	743
1979	743	743	748	742	743	742	736	739	741	742	744	745
1980	744	741	742	733	728	724	719	718	717	720	718	719
1981	718	719	721	720	721	718	717	719	720	717	713	710
1982	713	711	710	706	707	706	704	701	700	697	693	694
1983	699	697	699	702	704	707	715	717	721	720	723	726
1984	730	733	734	737	739	744	750	753	756	760	767	769
1985	770	768	776	782	788	789	790	793	794	798	802	803
1986	806	808	810	813	815	818	820	823	825	827	828	830
1987	836	842	845	841	844	845	847	850	852	855	857	859

Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Finance, Insurance, and Real Estate

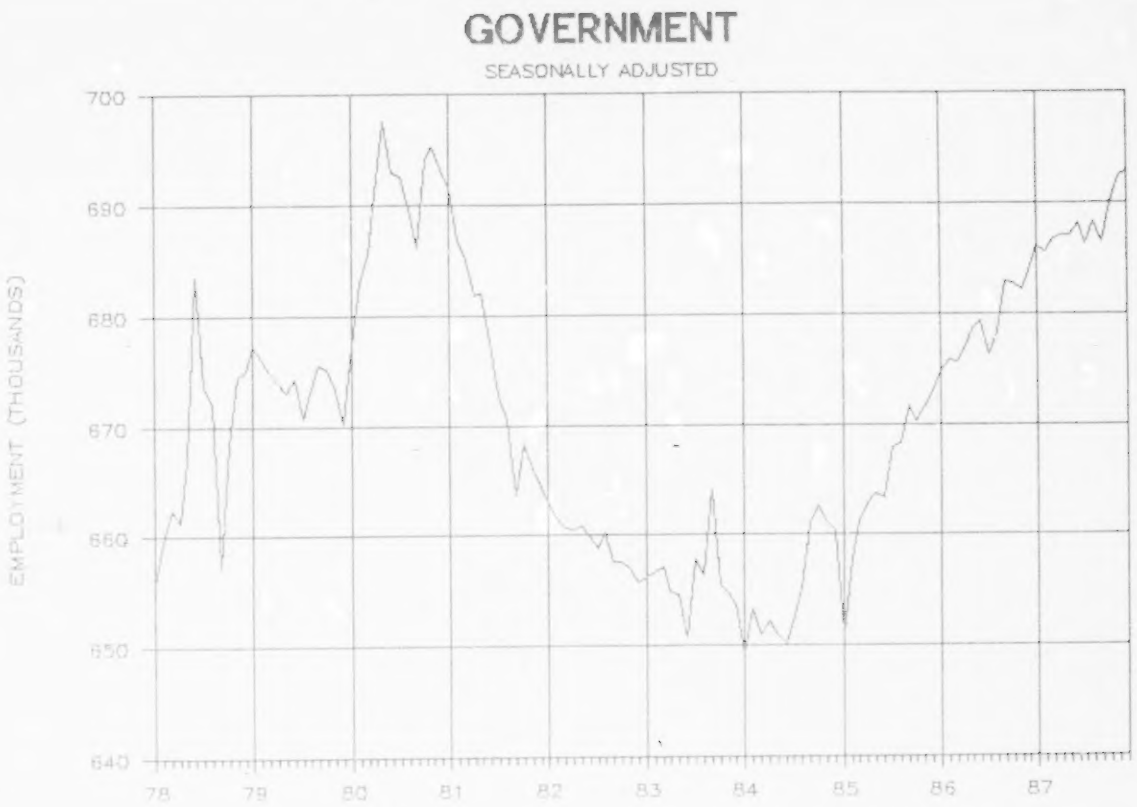
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	187	187	188	189	190	191	192	193	193	194	194	195
1979	196	197	197	198	199	201	202	202	202	204	204	205
1980	205	205	205	203	203	203	202	203	203	204	204	205
1981	205	205	206	206	206	205	206	206	206	206	206	206
1982	206	206	206	206	206	206	206	206	207	207	207	207
1983	207	207	208	208	208	208	208	208	208	208	207	207
1984	209	210	210	210	211	212	211	212	213	213	214	214
1985	215	215	216	217	218	218	219	221	222	223	224	224
1986	225	226	227	229	231	232	233	234	235	237	238	239
1987	239	240	241	241	242	243	244	245	245	246	246	247



Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Services

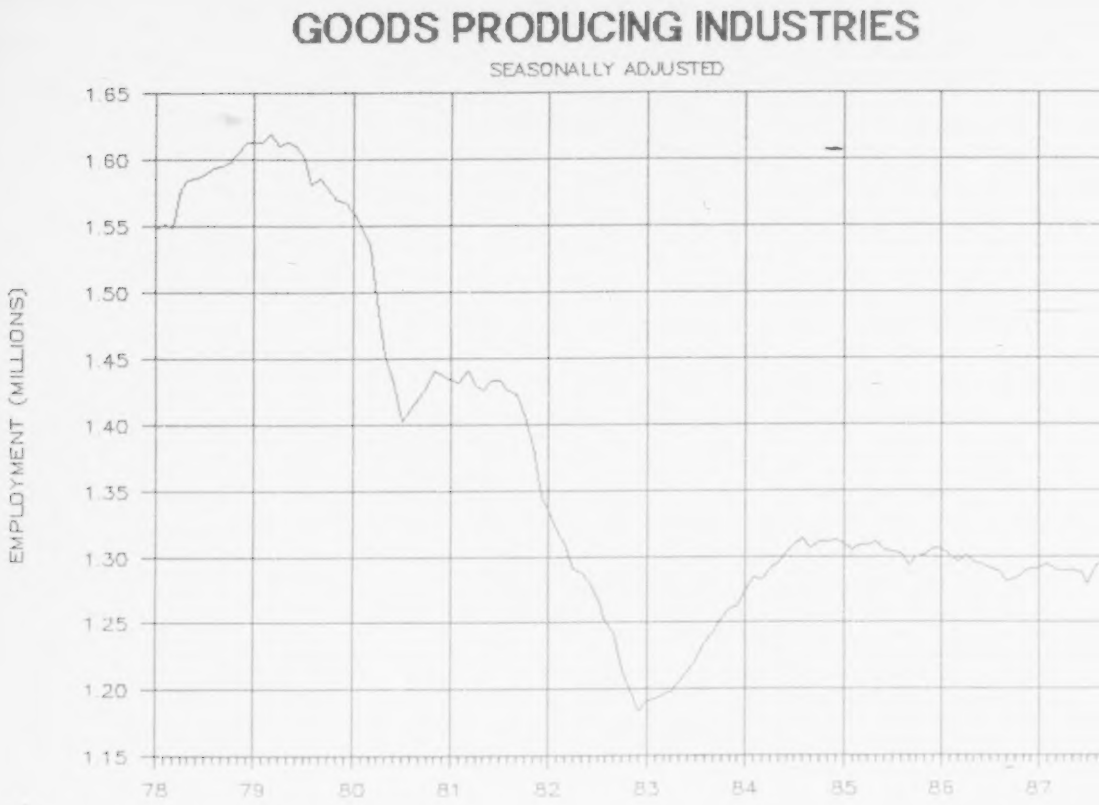
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	744	750	755	765	767	775	778	782	782	784	788	793
1979	791	795	800	802	804	808	808	809	809	815	814	817
1980	820	825	826	826	829	826	828	832	835	838	839	844
1981	848	848	849	850	849	850	850	852	856	856	854	855
1982	855	856	858	855	856	857	856	855	858	859	861	863
1983	865	867	869	865	867	869	875	875	881	878	882	884
1984	888	890	890	892	899	904	907	913	913	917	922	925
1985	927	929	934	943	949	948	951	956	959	962	965	969
1986	974	977	981	990	996	998	1,006	1,009	1,012	1,017	1,023	1,028
1987	1,029	1,035	1,038	1,040	1,044	1,049	1,054	1,057	1,060	1,064	1,069	1,072



Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Government

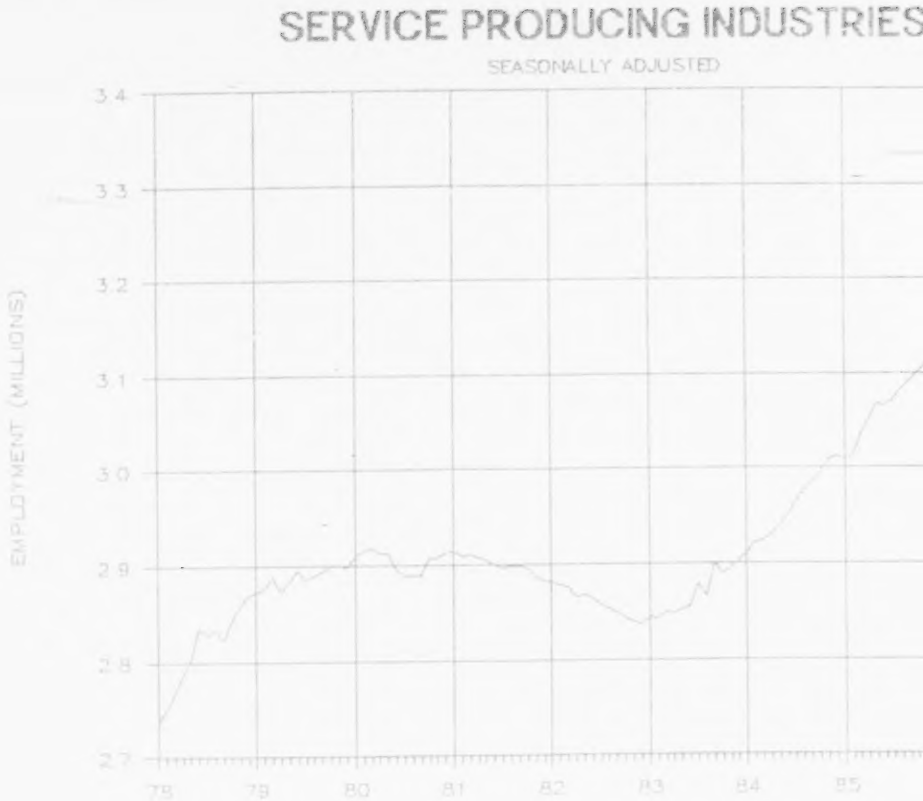
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	656	660	662	661	667	684	674	672	657	668	674	675
1979	677	676	675	674	673	674	671	673	676	675	673	670
1980	677	683	685	691	697	693	693	690	686	694	695	693
1981	691	687	685	682	682	678	673	671	664	668	666	664
1982	663	662	661	661	661	660	659	660	658	658	657	656
1983	656	657	657	655	655	651	658	656	664	656	655	654
1984	649	653	651	652	651	650	652	655	661	663	661	660
1985	651	658	661	663	664	663	668	668	672	670	671	673
1986	675	676	676	677	679	679	676	678	683	683	682	684
1987	686	686	687	687	687	688	686	688	686	690	692	693



Ohio Nonagricultural Wage and Salary Employment: 1978 - 1987
(in thousands)
Seasonally Adjusted

Goods Producing Industries

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1978	1,547	1,551	1,548	1,578	1,584	1,586	1,588	1,594	1,595	1,597	1,605	1,6
1979	1,613	1,613	1,620	1,610	1,613	1,611	1,601	1,581	1,585	1,577	1,569	1,5
1980	1,560	1,548	1,536	1,495	1,451	1,432	1,403	1,411	1,421	1,429	1,441	1,4
1981	1,433	1,432	1,440	1,429	1,425	1,433	1,433	1,426	1,423	1,406	1,382	1,3
1982	1,336	1,320	1,309	1,290	1,288	1,280	1,267	1,251	1,243	1,215	1,199	1,1
1983	1,192	1,193	1,197	1,198	1,206	1,213	1,222	1,235	1,243	1,253	1,261	1,2
1984	1,274	1,283	1,283	1,290	1,296	1,303	1,308	1,314	1,306	1,311	1,311	1,3
1985	1,309	1,305	1,308	1,308	1,311	1,305	1,303	1,301	1,294	1,299	1,301	1,3
1986	1,306	1,301	1,296	1,301	1,296	1,294	1,291	1,289	1,281	1,282	1,288	1,2
1987	1,291	1,295	1,289	1,290	1,289	1,288	1,280	1,293	1,296	1,297	1,303	1,3



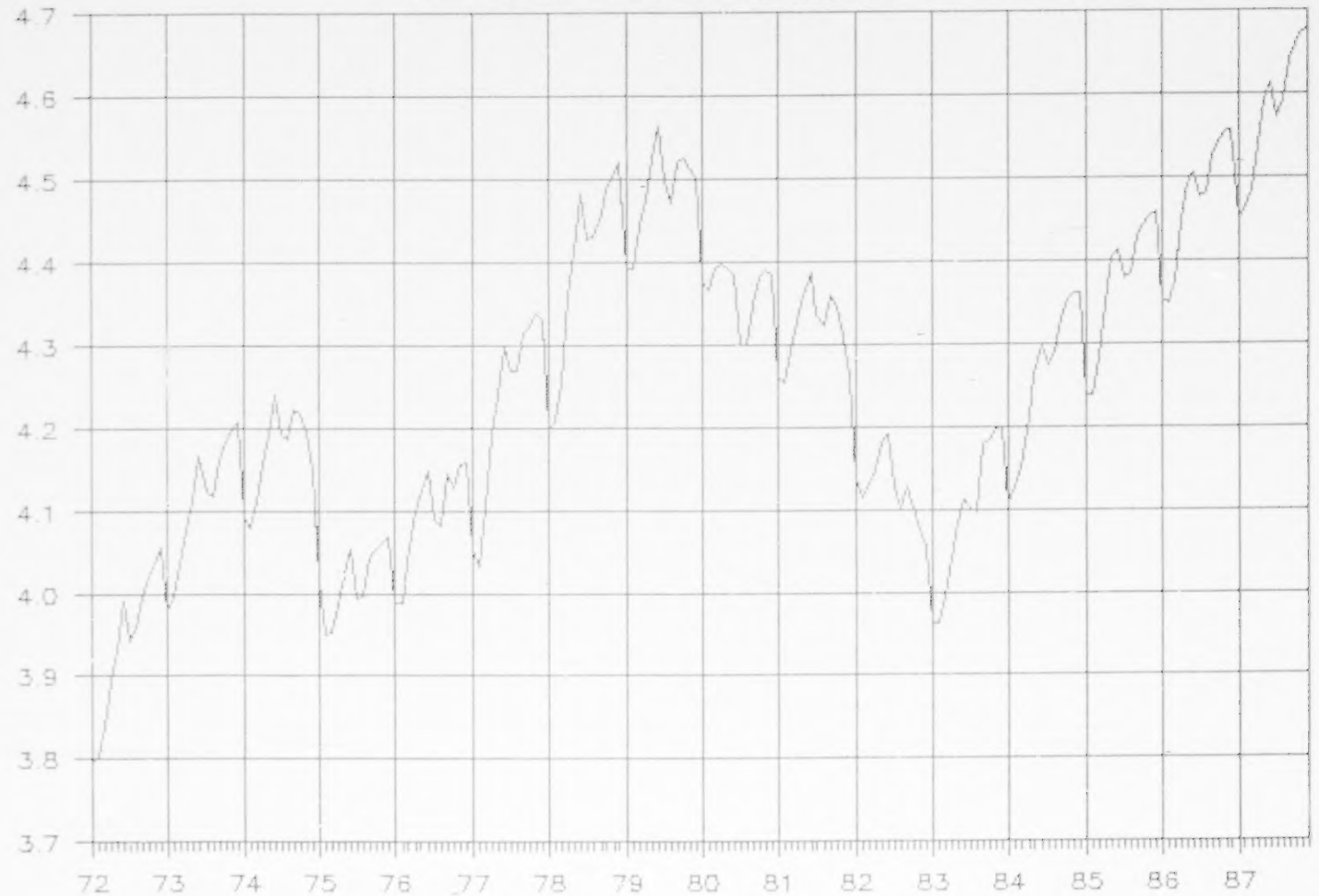
Ohio Nonagricultural Wage and Salary Employment: 1978 - 198
(in thousands)
Seasonally Adjusted

Service Producing Industries

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	O
1978	2,737	2,751	2,767	2,789	2,802	2,835	2,828	2,834	2,822	2,8
1979	2,871	2,877	2,888	2,873	2,884	2,894	2,884	2,889	2,894	2,9
1980	2,908	2,916	2,918	2,912	2,912	2,897	2,889	2,890	2,890	2,9
1981	2,914	2,910	2,911	2,907	2,905	2,901	2,897	2,899	2,898	2,8
1982	2,882	2,878	2,876	2,866	2,867	2,864	2,857	2,853	2,850	2,8
1983	2,845	2,844	2,850	2,848	2,852	2,855	2,879	2,865	2,900	2,8
1984	2,911	2,922	2,923	2,930	2,940	2,951	2,963	2,976	2,986	2,9
1985	3,008	3,016	3,034	3,051	3,067	3,065	3,073	3,083	3,092	3,1
1986	3,128	3,134	3,141	3,158	3,168	3,170	3,182	3,191	3,202	3,2
1987	3,241	3,255	3,263	3,262	3,272	3,280	3,287	3,296	3,301	3,3

STATE OF OHIO

TOTAL NONAGRICULTURAL EMPLOYMENT



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO,
BY INDUSTRIAL DIVISION, SINCE 1939[a]
(in thousands)

Year	Nonagricultural Wage and Salary	Mining	Construction	Manufacturing	Transportation and Utilities	Wholesale and Retail Trade	Finance, Insurance, Real Estate	Services	Government
1939....	1783.8	27.3	63.1	769.8	158.4	330.4	56.7	176.4	201.8
1940....	1906.6	27.0	65.3	843.6	169.2	350.5	56.1	184.6	210.2
1941....	2201.3	29.9	101.8	1039.4	186.8	370.9	60.4	192.6	219.4
1942....	2411.3	32.2	99.3	1204.9	198.2	368.3	58.3	200.1	250.1
1943....	2607.0	29.2	79.7	1390.1	204.7	360.3	56.0	201.6	285.4
1944....	2558.0	27.9	59.3	1359.7	209.8	361.8	55.5	202.3	281.8
1945....	2417.9	25.7	61.2	1218.2	207.1	358.9	56.9	209.8	280.1
1946....	2532.1	27.6	101.6	1190.0	219.2	410.6	65.5	239.9	277.7
1947....	2708.3	30.2	123.1	1269.3	227.6	457.3	69.2	259.5	272.1
1948....	2785.5	31.1	134.6	1261.7	235.8	495.7	72.2	277.0	277.6
1949....	2654.9	28.1	127.1	1142.2	217.5	503.7	73.6	274.8	287.8
1950....	2760.0	27.9	134.1	1220.0	223.3	505.7	76.8	277.3	294.8
1951....	2953.4	26.3	158.8	1339.5	236.6	523.8	79.4	283.0	306.0
1952....	3005.7	24.4	161.4	1357.3	235.0	537.4	85.4	291.5	313.2
1953....	3150.3	23.0	166.5	1446.9	240.1	557.2	89.3	303.1	324.3
1954....	3028.4	20.7	184.0	1314.0	221.3	555.9	92.6	307.8	332.1
1955....	3128.9	21.0	183.4	1370.6	223.8	571.2	96.3	318.5	344.1
1956....	3219.7	22.1	184.8	1393.7	228.9	598.0	100.6	335.0	356.7
1957....	3230.6	22.0	183.3	1370.9	226.4	609.4	104.9	346.9	366.9
1958....	3007.2	20.1	162.8	1198.3	207.6	586.6	107.9	344.6	379.4
1959....	3112.5	20.0	161.4	1264.5	208.5	603.3	111.8	356.2	386.7
1960....	3147.3	19.9	152.2	1264.8	208.7	619.2	116.2	367.2	399.2
1961....	3044.3	18.9	142.1	1183.2	198.5	601.3	119.2	368.7	412.5
1962....	3099.2	18.8	137.9	1218.2	198.1	605.2	120.5	376.4	424.2
1963....	3145.2	18.4	137.1	1236.6	197.1	611.3	122.6	390.3	431.7
1964....	3216.3	19.6	141.3	1259.1	197.8	624.0	124.9	409.3	440.3
1965....	3364.3	18.8	152.0	1326.0	202.3	647.6	127.0	432.1	458.6
1966....	3537.3	18.4	162.0	1404.4	207.5	675.2	129.6	457.1	483.0
1967....	3619.8	18.9	163.8	1401.4	209.0	697.3	135.3	484.6	509.5
1968....	3750.8	18.9	175.5	1433.5	214.4	727.0	141.0	512.2	528.3
1969....	3887.3	19.6	184.8	1471.0	221.0	759.0	146.0	541.2	544.8
1970....	3880.7	20.6	164.2	1409.9	225.0	773.2	154.2	568.1	565.5
1971....	3839.6	20.8	155.2	1333.8	223.8	782.8	158.6	587.4	577.2
1972....	3938.4	22.7	165.1	1346.8	222.9	816.3	163.8	611.7	589.1
1973....	4112.9	22.9	175.5	1426.3	224.9	852.6	169.0	643.9	597.8
1974....	4169.4	24.2	172.3	1416.6	227.8	873.8	171.9	669.7	613.1
1975....	4016.2	26.8	154.9	1267.5	213.2	868.0	173.1	686.3	626.4
1976....	4094.6	28.2	154.2	1295.3	213.7	890.8	177.0	703.2	632.2
1977....	4230.1	29.1	162.8	1344.1	219.1	917.8	183.4	731.4	642.3
1978....	4394.9	29.0	176.6	1377.2	225.0	956.4	191.1	772.1	667.5
1979....	4484.8	31.6	182.9	1382.3	232.1	975.2	200.6	806.2	674.0
1980....	4367.4	30.7	167.4	1264.3	223.1	957.2	203.8	830.9	689.9
1981....	4317.7	30.7	153.7	1232.6	217.2	950.1	205.8	851.6	676.0
1982....	4124.3	30.3	134.6	1099.9	206.8	929.4	206.4	857.3	659.6
1983....	4092.5	26.6	130.8	1066.0	198.5	933.5	207.8	873.3	656.1
1984....	4260.2	27.8	144.8	1127.0	203.9	984.7	211.5	905.2	655.2
1985....	4372.9	26.1	154.0	1124.2	202.7	1031.6	219.3	949.5	665.2
1986....	4471.4	22.6	160.7	1109.8	203.4	1062.9	232.3	1001.0	678.9
1987[b]...	4578.9	20.9	177.0	1095.3	206.9	1096.4	243.1	1051.2	688.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. [b]Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 (3-1-88) RS 790.1-2
(March 1987 BM)

PROPORTION OF NONAGRICULTURAL WAGE AND SALARY EMPLOYEES IN OHIO,
BY INDUSTRIAL DIVISION, SINCE 1939[a]
(percent of Ohio total)

Year	Nonagricultural Wage and Salary	Mining	Construction	Manufacturing	Transportation and Utilities	Wholesale and Retail Trade	Finance, Insurance, Real Estate	Services	Government
1939....	100.0	1.5	3.5	43.2	8.9	18.5	3.2	9.9	11.3
1940....	100.0	1.4	3.4	44.2	8.9	18.4	2.9	9.7	11.0
1941....	100.0	1.4	4.6	47.2	8.5	16.8	2.7	8.7	10.0
1942....	100.0	1.3	4.1	50.0	8.2	15.3	2.4	8.3	10.4
1943....	100.0	1.1	3.1	53.3	7.9	13.8	2.1	7.7	10.9
1944....	100.0	1.1	2.3	53.2	8.2	14.1	2.2	7.9	11.0
1945....	100.0	1.1	2.5	50.4	8.6	14.8	2.4	8.7	11.6
1946....	100.0	1.1	4.0	47.0	8.7	16.2	2.6	9.5	11.0
1947....	100.0	1.1	4.5	46.9	8.4	16.9	2.6	9.6	10.0
1948....	100.0	1.1	4.8	45.3	8.5	17.8	2.6	9.9	10.0
1949....	100.0	1.1	4.8	43.0	8.2	19.0	2.8	10.4	10.8
1950....	100.0	1.0	4.9	44.2	8.1	18.3	2.8	10.0	10.7
1951....	100.0	.9	5.4	45.4	8.0	17.7	2.7	9.6	10.4
1952....	100.0	.8	5.4	45.2	7.8	17.9	2.8	9.7	10.4
1953....	100.0	.7	5.3	45.9	7.6	17.7	2.8	9.6	10.3
1954....	100.0	.7	6.1	43.4	7.3	18.4	3.1	10.2	11.0
1955....	100.0	.7	5.9	43.8	7.2	18.3	3.1	10.2	11.0
1956....	100.0	.7	5.7	43.3	7.1	18.6	3.1	10.4	11.1
1957....	100.0	.7	5.7	42.4	7.0	18.9	3.2	10.7	11.4
1958....	100.0	.7	5.4	39.8	6.9	19.5	3.6	11.5	12.6
1959....	100.0	.6	5.2	40.6	6.7	19.4	3.6	11.4	12.4
1960....	100.0	.6	4.8	40.2	6.6	19.7	3.7	11.7	12.7
1961....	100.0	.6	4.7	38.9	6.5	19.8	3.9	12.1	13.5
1962....	100.0	.6	4.4	39.3	6.4	19.5	3.9	12.1	13.7
1963....	100.0	.6	4.4	39.3	6.3	19.4	3.9	12.4	13.7
1964....	100.0	.6	4.4	39.1	6.1	19.4	3.9	12.7	13.7
1965....	100.0	.6	4.5	39.4	6.0	19.2	3.8	12.8	13.6
1966....	100.0	.5	4.6	39.7	5.9	19.1	3.7	12.9	13.7
1967....	100.0	.5	4.5	38.7	5.8	19.3	3.7	13.4	14.1
1968....	100.0	.5	4.7	38.2	5.7	19.4	3.8	13.7	14.1
1969....	100.0	.5	4.8	37.8	5.7	19.5	3.8	13.9	14.0
1970....	100.0	.5	4.2	36.3	5.8	19.9	4.0	14.6	14.6
1971....	100.0	.5	4.0	34.7	5.8	20.4	4.1	15.3	15.0
1972....	100.0	.6	4.2	34.2	5.7	20.7	4.2	15.5	15.0
1973....	100.0	.6	4.3	34.7	5.5	20.7	4.1	15.7	14.5
1974....	100.0	.6	4.1	34.0	5.5	21.0	4.1	16.1	14.7
1975....	100.0	.7	3.9	31.6	5.3	21.6	4.3	17.1	15.6
1976....	100.0	.7	3.8	31.6	5.2	21.8	4.3	17.2	15.4
1977....	100.0	.7	3.8	31.8	5.2	21.7	4.3	17.3	15.2
1978....	100.0	.7	4.0	31.3	5.1	21.8	4.3	17.6	15.2
1979....	100.0	.7	4.1	30.8	5.2	21.7	4.5	18.0	15.0
1980....	100.0	.7	3.8	28.9	5.1	21.9	4.7	19.0	15.8
1981....	100.0	.7	3.6	28.5	5.0	22.0	4.8	19.7	15.7
1982....	100.0	.7	3.3	26.7	5.0	22.5	5.0	20.8	16.0
1983....	100.0	.6	3.2	26.0	4.9	22.8	5.1	21.3	16.0
1984....	100.0	.7	3.4	26.5	4.8	23.1	5.0	21.2	15.4
1985....	100.0	.6	3.5	25.7	4.6	23.6	5.0	21.7	15.2
1986....	100.0	.5	3.6	24.8	4.5	23.8	5.2	22.4	15.2
1987[b]...	100.0	.5	3.9	23.9	4.5	23.9	5.3	23.0	15.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. [b]Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 (3-1-88) RS790.1-2.1
(March 1987 BM)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO
MANUFACTURING AND NONMANUFACTURING, SINCE 1939[a]

Year	Employment (in thousands)					Manufacturing as Percent of Nonagricultural Employment	Durable Goods as Percent of Manufacturing Employment
	Nonagricultural Wage and Salary	Manufacturing			Nonmanufacturing		
		Total	Durable Goods	Nondurable Goods			
1939...	1783.8	769.8	487.7	282.1	1014.1	43.2	63.4
1940...	1906.6	843.6	554.4	289.2	1063.0	44.2	65.7
1941...	2201.3	1039.4	719.2	320.2	1161.9	47.2	69.2
1942...	2411.3	1204.9	862.8	342.1	1206.5	50.0	71.6
1943...	2607.0	1390.1	1039.2	350.9	1216.9	53.3	74.8
1944...	2558.0	1359.7	1013.9	345.8	1198.3	53.2	74.6
1945...	2417.9	1218.2	879.9	338.3	1199.8	50.4	72.2
1946...	2532.1	1190.0	818.4	371.6	1342.1	47.0	68.8
1947...	2708.3	1269.3	894.1	375.2	1439.1	46.9	70.4
1948...	2785.5	1261.7	887.6	374.1	1523.8	45.3	70.3
1949...	2654.9	1142.2	783.5	358.7	1512.7	43.0	68.6
1950...	2760.0	1220.0	847.7	372.3	1540.0	44.2	69.5
1951...	2953.4	1339.5	954.5	385.0	1613.9	45.4	71.3
1952...	3005.7	1357.3	973.1	384.2	1648.4	45.2	71.7
1953...	3150.3	1446.9	1052.0	394.9	1703.4	45.9	72.7
1954...	3028.4	1314.0	937.1	376.9	1714.4	43.4	71.3
1955...	3128.9	1370.6	980.0	390.5	1758.3	43.8	71.5
1956...	3219.7	1393.7	1002.0	391.7	1826.0	43.3	71.9
1957...	3230.6	1370.9	984.7	386.2	1859.6	42.4	71.8
1958...	3007.2	1198.3	828.9	369.4	1808.9	39.8	69.2
1959...	3112.5	1264.5	886.8	377.8	1848.0	40.6	70.1
1960...	3147.3	1264.8	889.8	375.0	1882.5	40.2	70.4
1961...	3044.3	1183.2	821.6	361.5	1861.2	38.9	69.4
1962...	3099.2	1218.2	853.6	364.7	1881.0	39.3	70.1
1963...	3145.2	1236.6	869.6	367.1	1908.5	39.3	70.3
1964...	3216.3	1259.1	887.1	372.0	1957.3	39.1	70.5
1965...	3364.3	1326.0	941.7	384.3	2038.3	39.4	71.0
1966...	3537.3	1404.4	1004.7	399.8	2132.8	39.7	71.5
1967...	3619.8	1401.4	998.6	402.8	2218.3	38.7	71.3
1968...	3750.8	1433.5	1021.8	411.7	2317.3	38.2	71.3
1969...	3887.3	1471.0	1052.7	418.2	2416.3	37.8	71.6
1970...	3880.7	1409.9	1002.5	407.4	2470.7	36.3	71.1
1971...	3839.6	1333.8	963.1	397.7	2505.7	34.7	70.2
1972...	3938.4	1346.8	948.8	398.0	2591.5	34.2	70.4
1973...	4112.9	1426.3	1018.2	408.1	2686.6	34.7	71.4
1974...	4169.4	1416.6	1013.1	403.5	2752.8	34.0	71.5
1975...	4016.2	1267.5	892.4	375.1	2748.7	31.6	70.4
1976...	4094.6	1295.3	910.6	384.6	2799.3	31.6	70.3
1977...	4230.1	1344.1	945.2	398.9	2886.0	31.8	70.3
1978...	4394.9	1377.2	974.5	402.7	3017.7	31.3	70.8
1979...	4484.8	1382.3	980.5	401.8	3102.5	30.8	70.9
1980...	4367.4	1264.3	882.6	381.8	3103.0	28.9	69.8
1981...	4317.7	1232.6	860.4	372.2	3085.1	28.5	69.8
1982...	4124.3	1099.9	752.4	347.5	3024.4	26.7	68.4
1983...	4092.5	1066.0	723.6	342.4	3026.5	26.0	67.9
1984...	4260.2	1127.0	773.4	353.6	3133.1	26.5	68.6
1985...	4372.9	1124.2	768.7	355.5	3248.6	25.7	68.4
1986...	4471.4	1109.8	752.7	357.1	3361.6	24.8	67.8
1987[b]...	4578.9	1095.3	736.4	358.9	3483.6	23.9	67.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Includes full- and part-time wage and salaried workers employed during pay periods including the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals because of rounding. [b]Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 (3-1-88) RS 790.1-1
(March 1987 BM)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1987[a]
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	4578.9	4447.6	4457.9	4485.0	4539.2	4591.6	4611.6	4572.3	4591.0	4641.3	4658.8	4674.2	4676.9
MANUFACTURING	1095.3	1086.5	1088.3	1086.6	1093.1	1094.9	1097.6	1084.3	1097.5	1108.3	1099.8	1103.7	1102.9
Durable Goods[b]	736.4	734.3	736.1	733.8	738.4	738.7	739.1	725.5	733.6	742.1	736.4	740.2	738.6
Lumber and wood products	19.6	17.8	17.9	18.5	19.3	19.6	19.9	20.1	20.5	20.4	20.6	20.6	20.0
Furniture and fixtures	14.4	14.1	14.0	14.1	14.2	14.2	14.5	14.1	14.6	14.9	14.6	14.6	14.5
Stone, clay, and glass products	48.0	47.1	46.9	47.3	47.7	48.1	48.7	48.1	48.5	48.5	48.2	48.3	48.1
Glass and glassware, pressed or blown	10.0	10.5	10.4	10.3	10.1	10.1	10.1	9.4	9.8	9.9	9.8	9.7	9.6
Primary metal industries	95.4	92.4	93.7	94.8	94.8	94.3	95.0	93.5	95.3	97.2	97.5	98.2	98.0
Blast furnace and basic steel products	43.0	41.0	41.9	42.6	42.8	42.6	43.0	43.0	43.0	43.4	43.7	44.1	44.4
Iron and steel foundries	19.9	19.5	19.5	19.7	19.5	19.5	19.5	19.7	19.8	20.3	20.3	20.8	21.1
Nonferrous rolling and drawing	17.2	16.8	16.9	17.1	17.1	16.8	17.0	16.2	17.2	18.1	17.9	17.7	17.1
Fabricated metal products	133.4	132.8	132.4	132.7	133.0	133.2	134.4	131.6	132.8	134.5	134.1	135.0	134.8
Cutlery, hand tools, and hardware	9.6	9.7	9.5	9.6	9.6	9.5	9.5	9.4	9.5	9.6	9.8	9.9	9.9
Fabricated structural metal products	29.1	28.4	27.9	28.2	28.9	29.4	29.4	29.6	29.5	29.8	29.4	29.3	29.2
Metal forgings and stampings	42.5	42.9	43.0	43.2	43.0	42.8	43.2	40.7	41.3	42.4	42.4	42.8	42.6
Machinery, except electrical	154.4	154.6	153.8	153.7	154.3	155.0	155.7	153.4	153.8	155.2	153.9	154.4	155.1
Construction and related machinery	12.3	12.5	12.2	12.2	12.4	12.4	12.4	12.2	12.2	12.3	12.3	12.4	12.4
Metalworking machinery	39.9	40.3	40.1	40.0	39.9	40.0	40.2	39.6	39.7	39.9	39.4	39.5	39.8
Special industry machinery	16.4	16.1	16.2	16.2	16.3	16.5	16.7	16.3	16.4	16.7	16.5	16.6	16.6
General industrial machinery	27.5	28.0	27.5	27.4	27.6	27.7	27.7	27.2	27.4	27.5	27.2	27.4	27.8
Office and computing machines	13.6	13.4	13.3	13.3	13.3	13.5	13.7	14.0	13.7	13.7	13.7	13.8	13.7
Refrigeration and service machinery	16.1	16.2	16.2	16.3	16.3	16.3	16.3	16.0	16.1	16.4	15.9	15.6	15.6
Electric and electronic equipment	86.3	88.1	87.7	86.8	86.0	85.9	85.8	85.9	85.4	86.4	85.4	86.2	86.3
Electrical industrial apparatus	15.9	16.0	16.1	15.8	15.7	15.8	15.8	15.8	15.9	16.0	16.0	16.0	16.1
Household appliances	16.3	17.2	17.0	16.8	16.1	16.3	16.4	16.0	16.0	16.4	16.0	15.9	15.9
Electric lighting and wiring equipment	17.1	17.5	17.4	17.3	17.1	17.0	17.0	17.0	16.6	16.8	16.9	17.0	17.1
Communication equipment	10.2	10.5	10.4	10.4	10.3	10.2	10.2	10.2	10.2	10.2	10.1	10.1	10.1
Transportation equipment	148.0	151.1	153.3	149.2	152.6	151.8	148.5	142.1	145.6	147.4	144.4	145.3	144.2
Motor vehicles and equipment	94.1	94.8	97.5	93.9	97.1	96.8	93.9	87.9	91.8	94.7	92.7	94.6	94.0
Aircraft and parts	44.3	47.0	46.4	46.0	46.1	45.5	45.0	44.5	44.1	43.0	42.0	41.1	40.7
Instruments and related products	23.0	22.8	22.8	22.9	22.8	22.7	22.8	22.7	23.0	23.1	23.1	23.5	23.6
Measuring and controlling devices	12.7	12.6	12.6	12.6	12.6	12.6	12.7	12.6	12.8	12.8	12.9	13.0	13.1
Nondurable Goods[c]	358.9	352.2	352.2	352.7	354.6	356.2	358.5	358.8	363.9	366.2	363.4	363.6	364.3
Food and kindred products	63.4	61.8	61.3	61.7	61.8	62.2	62.9	63.4	67.1	67.7	64.0	63.1	63.8
Meat products	9.6	9.5	9.4	9.5	9.5	9.4	9.7	9.6	9.5	9.9	9.6	9.7	9.7
Dairy products	10.4	9.9	10.0	10.1	10.1	10.2	10.4	10.6	10.6	10.7	10.5	10.5	10.7
Preserved fruits and vegetables	11.0	10.6	10.1	10.2	10.2	10.3	10.1	10.2	13.8	13.8	11.1	10.3	10.8
Bakery products	9.0	8.7	8.7	8.8	9.0	9.0	8.9	9.2	9.1	9.3	9.1	8.9	9.0
Beverages	9.5	9.4	9.5	9.4	9.3	9.4	9.7	9.8	9.8	9.7	9.4	9.3	9.4
Apparel and other textile products	15.9	15.4	15.6	15.7	15.8	15.8	15.8	15.8	15.9	16.3	16.4	16.5	16.2

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1987[a] (continued)
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	37.0	36.4	36.5	36.4	36.5	36.6	37.0	36.7	36.9	37.5	37.4	37.6	38.0
Misc. converted paper products	11.9	11.8	11.8	11.7	11.7	11.7	11.9	11.9	12.0	12.2	12.2	12.2	12.3
Paperboard containers and boxes	12.8	12.3	12.4	12.5	12.5	12.6	12.7	12.6	12.8	13.1	13.1	13.2	13.2
Printing and publishing	70.2	68.8	68.9	68.8	69.5	69.7	69.8	70.6	70.9	70.8	71.1	71.6	71.7
Newspapers	19.3	19.3	19.3	19.2	19.1	19.2	19.2	19.4	19.4	19.3	19.3	19.5	19.8
Commercial printing	26.2	25.6	25.7	25.9	26.0	26.1	26.2	26.3	26.2	26.5	26.4	26.6	26.5
Chemicals and allied products	62.9	61.1	61.4	61.7	62.5	63.0	63.4	63.7	63.7	63.7	63.4	63.3	63.4
Industrial inorganic chemicals	9.3	9.3	9.3	9.4	9.3	9.3	9.3	9.0	9.3	9.4	9.3	9.4	9.4
Rubber and misc. plastics products	92.9	92.7	92.5	92.2	92.1	92.1	92.5	91.6	92.4	93.4	94.2	94.7	94.5
Tires and inner tubes	17.3	17.9	17.6	17.4	17.2	17.1	17.3	17.4	17.3	17.3	17.1	16.9	16.8
Miscellaneous plastics products	55.2	54.5	54.5	54.6	54.5	54.6	54.8	54.4	54.8	55.4	56.4	56.9	56.9
NONMANUFACTURING	3483.6	3361.1	3369.6	3398.4	3446.2	3496.7	3514.0	3488.0	3493.5	3533.0	3559.0	3570.4	3573.9
MINING	20.9	21.4	21.1	20.7	20.7	20.7	21.1	21.1	21.1	21.4	20.7	20.8	20.5
Bituminous coal and lignite mining	9.2	9.7	9.7	9.5	9.4	9.2	9.2	9.2	9.3	9.3	8.8	8.8	8.7
Oil and gas extraction	7.0	7.5	7.3	7.0	6.7	6.7	6.9	7.0	6.8	6.9	6.8	7.0	7.0
CONSTRUCTION	177.0	147.5	143.9	150.4	162.2	175.4	184.4	192.7	196.8	196.4	198.6	192.7	182.9
General building contractors	44.6	39.2	38.2	39.4	41.3	43.7	46.1	47.8	48.8	48.2	48.5	47.5	46.1
Heavy construction contractors	23.0	15.1	14.7	16.5	20.0	24.3	25.6	27.2	27.9	27.7	28.3	25.9	22.2
Highway and street construction	9.7	4.9	4.8	5.6	7.8	10.6	11.4	12.4	12.8	12.7	12.7	11.4	8.9
Special trade contractors	109.5	93.1	90.9	94.4	100.9	107.4	112.7	117.7	120.1	120.5	121.8	119.3	114.6
TRANSPORTATION AND PUBLIC UTILITIES	206.9	201.7	201.7	202.5	204.8	207.0	208.5	208.6	209.1	209.3	210.0	209.6	209.6
Railroad transportation	14.0	13.8	13.6	13.5	14.1	14.4	14.5	14.4	14.4	14.2	14.1	13.6	13.3
Transportation, except railroads	103.3	98.0	98.3	99.3	101.6	103.5	104.6	104.1	104.9	105.4	106.5	106.5	107.0
Trucking and warehousing	72.1	68.7	69.0	69.7	70.4	71.6	72.5	72.8	73.3	73.4	74.3	74.5	75.2
Communication, electric, gas services	89.6	89.9	89.7	89.7	89.1	89.1	89.5	90.1	89.9	89.8	89.4	89.4	89.3
Communication	47.6	48.3	48.2	48.1	47.2	47.2	47.3	47.5	47.4	47.6	47.5	47.6	47.6
Electric, gas, and sanitary services	42.0	41.6	41.5	41.7	41.9	41.9	42.2	42.6	42.5	42.2	41.9	41.8	41.8
WHOLESALE TRADE	248.7	242.4	243.0	244.1	246.2	248.2	250.4	250.6	251.1	251.2	252.4	252.2	252.8
Wholesale trade-durable goods	156.4	152.3	152.9	153.4	154.8	156.1	157.2	157.6	157.8	157.8	158.9	158.7	159.9
Motor vehicles & automotive equipment	21.8	21.3	21.3	21.3	21.6	21.7	21.9	22.0	21.9	22.0	22.0	21.9	22.0
Electrical goods	19.4	19.2	19.2	19.3	19.2	19.3	19.3	19.2	19.2	19.3	19.6	19.7	19.8
Machinery, equipment, and supplies	67.1	65.8	66.2	66.2	66.6	66.9	67.3	67.6	67.7	67.5	67.7	67.8	67.7
Wholesale trade-nondurable goods	92.3	90.1	90.1	90.7	91.4	92.1	93.2	93.0	93.3	93.4	93.5	93.4	93.9
Groceries and related products	28.9	28.3	28.2	28.4	28.4	28.6	29.3	29.0	29.2	29.3	29.4	29.5	29.6
RETAIL TRADE	847.7	818.5	811.7	818.6	830.8	845.8	851.5	852.8	858.1	861.1	862.3	873.9	887.8
General merchandise stores	119.2	120.1	114.7	114.6	114.5	115.4	115.1	115.6	116.6	118.2	121.7	128.5	134.9
Department stores	104.1	105.6	100.4	100.2	100.3	100.8	100.5	100.7	101.4	102.8	105.8	112.1	118.1
Food stores	131.0	128.2	128.1	128.2	129.3	130.6	131.3	131.4	131.7	132.6	132.2	133.5	135.2
Automobile dealers and service stations	92.9	90.3	90.5	90.7	91.8	92.5	93.8	94.4	94.5	94.5	94.3	93.9	93.7
Apparel and accessory stores	41.8	41.4	40.1	40.2	40.4	40.8	40.7	40.8	41.6	41.8	42.7	44.1	46.7
Eating and drinking places	297.4	280.1	281.3	286.4	293.9	302.1	305.3	305.0	307.0	306.4	300.6	300.0	300.2

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1987[a] (continued)
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	243.1	236.6	237.5	238.5	240.0	241.8	244.7	246.8	247.2	246.1	245.7	246.2	246.7
Banking	63.1	62.3	62.2	62.3	62.4	62.7	63.3	63.8	63.9	63.6	63.3	63.3	63.6
Credit agencies other than banks	37.3	36.4	36.5	36.6	37.1	37.1	37.5	37.7	37.8	37.6	37.5	37.7	37.8
Insurance carriers	67.9	66.7	67.2	67.6	67.3	67.6	68.1	68.3	68.3	68.3	68.3	68.6	68.8
Life insurance	25.8	25.7	25.8	25.8	25.7	25.8	26.0	25.7	25.8	25.8	25.7	25.8	25.9
Fire, marine, and casualty insurance	29.9	29.1	29.3	29.6	29.5	29.7	29.9	30.3	30.1	30.2	30.3	30.5	30.5
SERVICES	1051.2	1003.5	1013.5	1021.8	1041.3	1053.7	1065.9	1068.2	1068.6	1074.7	1070.4	1067.5	1064.7
Hotels and other lodging places	34.4	31.8	32.0	32.3	33.5	34.7	36.1	36.9	37.1	35.9	34.5	34.1	33.9
Personal services	56.7	56.4	57.0	57.6	58.3	55.8	56.0	55.7	55.8	56.2	56.8	56.9	57.3
Laundry, cleaning, & garment services	18.8	18.2	18.1	18.3	18.6	18.8	18.9	18.8	18.8	19.0	19.3	19.3	19.2
Business services	209.6	198.9	200.2	201.8	204.4	206.6	210.0	213.4	214.4	215.6	216.5	216.1	216.7
Services to buildings	29.4	28.3	28.5	28.6	28.9	29.4	29.7	29.6	30.1	30.0	29.9	30.1	30.1
Computer and data processing services	18.9	18.7	19.0	18.7	18.2	18.2	18.5	18.9	18.9	19.0	19.2	19.4	19.5
Amusement and recreation services	41.2	28.1	28.6	30.5	38.2	47.3	53.6	54.5	54.4	50.5	38.8	35.7	33.8
Health services	360.1	351.8	352.9	354.4	356.2	357.5	360.3	363.7	364.6	364.6	365.0	364.9	365.8
Nursing and personal care facilities	79.5	77.3	77.4	77.9	78.7	79.1	79.6	80.4	80.8	81.0	80.8	80.7	80.8
Hospitals	176.6	173.4	173.9	174.4	175.0	175.5	177.0	178.6	178.7	178.3	178.4	178.1	178.4
Educational services	60.2	61.6	65.6	64.9	64.4	61.3	56.1	48.7	47.5	58.1	64.2	65.8	63.8
Colleges and universities	32.2	33.7	37.2	36.2	35.7	32.4	28.2	23.7	22.9	30.5	35.2	36.4	34.4
GOVERNMENT	688.1	689.5	697.2	701.9	700.2	704.2	687.5	647.1	641.4	672.7	698.9	707.6	708.9
Federal government	94.9	94.3	94.0	94.1	94.7	94.6	95.2	95.3	95.2	95.1	94.8	95.3	95.9
State government	152.6	153.5	156.7	159.3	159.2	158.9	149.9	136.6	133.9	143.3	158.1	160.4	162.0
State government education[d]	78.6	80.5	84.5	85.8	84.9	85.1	74.5	60.9	57.3	68.7	84.9	87.3	88.7
State government, except education	74.0	73.0	72.2	73.5	74.2	73.8	75.3	75.7	76.6	74.6	73.2	73.1	73.3
Local government	440.6	441.7	446.5	448.5	446.3	450.6	442.5	415.2	412.3	434.4	446.1	451.9	451.0
Local government education	254.7	260.2	265.6	267.2	263.6	265.3	251.6	220.3	219.1	247.4	262.0	267.5	267.2
Local government, except education	185.8	181.5	180.9	181.3	182.7	185.4	190.9	194.9	193.3	187.0	184.1	184.4	183.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [e]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-0 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	4471.4	4352.2	4348.7	4374.5	4446.6	4492.0	4505.8	4476.4	4481.4	4525.4	4542.1	4354.9	4557.4
MANUFACTURING	1109.8	1113.5	1109.8	1110.0	1114.1	1112.3	1117.9	1110.1	1109.5	1109.7	1101.8	1105.8	1103.1
Durable Goods[b]	752.7	759.6	756.7	757.2	760.1	756.9	759.6	752.0	749.3	747.5	741.6	746.4	745.5
Lumber and wood products	18.1	16.7	16.9	17.2	18.0	18.5	18.4	18.5	18.8	18.8	19.0	18.7	18.1
Furniture and fixtures	14.6	14.1	14.4	14.6	14.6	14.7	14.7	14.5	14.9	14.8	14.6	14.5	14.4
Stone, clay, and glass products	49.5	48.2	47.7	48.2	49.6	49.9	50.6	50.9	50.6	50.7	49.7	49.2	48.4
Glass and glassware, pressed or blown	11.0	11.1	11.1	11.1	11.2	11.0	11.1	11.3	10.9	11.0	10.6	10.8	10.9
Primary metal industries	95.4	98.8	98.9	99.0	98.5	96.3	97.0	95.0	93.0	90.2	90.2	92.4	93.1
Blast furnace and basic steel products	42.4	44.3	44.4	44.6	44.5	44.3	44.0	43.0	41.2	37.6[e]	39.3	40.6	41.3
Iron and steel foundries	20.2	20.6	21.0	21.2	20.9	20.9	20.3	19.8	19.4	19.6	19.3	19.5	19.6
Nonferrous rolling and drawing	17.7	18.4	18.1	17.9	17.8	17.9	17.6	17.2	17.3	17.7	17.7	17.5	17.4
Fabricated metal products	136.5	137.0	137.0	137.4	137.8	137.4	137.6	136.0	135.9	136.2	135.6	135.0	135.1
Cutlery, hand tools, and hardware	10.4	11.1	11.0	11.0	10.9	10.5	10.3	9.9	9.9	10.0	9.9	10.0	9.9
Fabricated structural metal products	29.1	28.5	28.3	28.4	28.8	29.3	29.8	29.7	29.7	29.5	29.4	29.2	29.1
Metal forgings and stampings	43.4	43.7	43.8	44.1	44.2	43.7	43.8	42.7	42.3	43.2	43.1	43.0	43.4
Machinery, except electrical	158.6	161.6	160.5	160.7	160.4	160.2	160.1	158.6	157.6	157.7	153.6	156.5	156.0
Construction and related machinery	13.1	13.5	13.2	13.0	13.2	13.1	13.1	13.2	13.1	13.2	13.0	12.9	12.9
Metalworking machinery	41.5	42.0	41.6	41.7	41.7	41.7	41.8	41.6	41.3	41.2	41.2	41.0	40.8
Special industry machinery	16.9	17.4	17.2	17.3	17.0	17.1	17.0	16.6	16.6	16.9	16.7	16.6	16.4
General industrial machinery	28.3	29.2	29.0	28.8	28.8	28.7	28.7	28.5	28.3	28.3	24.8[e]	28.1	28.1
Office and computing machines	13.6	13.5	13.6	13.6	13.5	13.6	13.7	13.9	13.8	13.6	13.5	13.4	13.4
Refrigeration and service machinery	16.3	16.6	16.6	16.6	16.5	16.6	16.5	16.1	15.9	16.0	16.1	16.1	16.3
Electric and electronic equipment	89.1	89.9	88.9	89.0	89.5	90.0	89.4	88.3	88.9	89.2	88.8	88.8	88.3
Electrical industrial apparatus	17.0	17.7	17.6	17.5	17.1	17.7	17.1	16.9	16.7	16.6	16.4	16.3	16.1
Household appliances	16.9	16.6	16.7	16.7	16.9	16.8	16.9	16.5	17.0	17.2	17.3	17.4	16.9
Electric lighting and wiring equipment	17.7	18.1	18.1	18.0	17.9	17.7	17.6	17.5	17.6	17.5	17.4	17.5	17.6
Communication equipment	10.5	10.6	10.6	10.6	10.7	10.6	10.5	10.3	10.4	10.5	10.5	10.5	10.6
Transportation equipment	153.9	156.4	155.6	154.3	154.6	150.7	154.3	153.6	152.6	152.6	152.8	153.9	154.8
Motor vehicles and equipment	98.2	101.7	101.0	99.3	99.4	95.4	98.7	97.7	96.5	96.4	96.7	97.5	98.3
Aircraft and parts	46.4	45.5	45.3	45.6	45.9	46.0	46.4	46.7	47.0	47.1	47.1	47.3	47.3
Instruments and related products	23.3	23.3	23.1	23.1	23.4	23.4	23.6	22.8	23.4	23.4	23.3	23.3	23.4
Measuring and controlling devices	12.4	12.3	12.2	12.1	12.3	12.4	12.5	11.9	12.5	12.6	12.5	12.7	12.8
Nondurable Goods[c]	357.1	353.9	353.1	352.8	354.0	355.4	358.3	358.1	360.2	362.3	360.2	359.4	357.6
Food and kindred products	63.0	61.3	60.9	60.7	60.7	61.7	62.8	63.3	65.8	66.9	64.9	63.7	63.5
Meat products	9.7	9.4	9.4	9.4	9.4	9.5	9.7	10.0	9.7	9.8	10.0	9.8	9.8
Dairy products	10.0	9.5	9.5	9.6	9.9	10.0	10.2	10.4	10.3	10.1	10.0	10.0	10.1
Preserved fruits and vegetables	11.1	10.6	10.3	10.3	10.1	10.3	10.4	10.5	12.9	13.9	11.7	10.8	10.8
Bakery products	8.7	8.4	8.4	8.4	8.5	8.6	8.8	8.8	8.9	8.9	8.9	9.0	8.8
Beverages	9.8	9.6	9.6	9.6	9.5	9.8	10.1	10.1	10.1	9.9	9.8	9.7	9.6
Apparel and other textile products	16.3	16.6	16.2	16.2	16.0	16.2	16.1	15.9	16.1	16.5	16.6	16.8	16.4

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1986[a] (continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	37.1	37.6	37.4	37.3	37.0	37.0	37.1	37.1	37.3	37.3	36.7	36.7	36.8
Misc. converted paper products	11.9	12.0	12.0	11.9	11.7	11.8	11.7	11.9	12.0	12.0	11.9	11.9	11.9
Paperboard containers and boxes	12.5	12.6	12.6	12.6	12.6	12.6	12.7	12.6	12.5	12.6	12.4	12.4	12.4
Printing and publishing	68.4	67.8	67.6	67.6	68.1	68.2	68.7	68.4	68.0	68.4	69.4	69.8	69.5
Newspapers	18.9	18.6	18.6	18.7	18.8	18.9	19.1	18.7	18.8	18.8	19.3	19.3	19.4
Commercial printing	26.1	25.9	25.8	25.9	26.1	26.2	26.1	26.0	26.2	26.3	26.4	26.5	26.1
Chemicals and allied products	62.8	62.3	62.3	62.5	63.0	63.0	63.4	63.5	63.2	62.9	62.5	62.3	62.3
Industrial inorganic chemicals	9.8	9.9	9.9	9.9	9.9	9.8	9.8	9.8	9.8	9.8	9.7	9.6	9.5
Rubber and misc. plastics products	92.7	91.8	92.2	92.1	92.5	92.5	93.2	92.7	92.8	93.4	93.4	93.4	93.0
Tires and inner tubes	18.3	18.7	18.5	18.3	18.3	18.2	18.2	18.2	18.2	18.2	18.1	18.1	18.0
Miscellaneous plastics products	54.0	52.6	53.3	53.5	53.6	53.7	54.3	54.1	54.1	54.7	54.7	54.7	54.6
NONMANUFACTURING	3361.6	3238.7	3238.8	3264.5	3332.5	3379.6	3387.9	3366.4	3372.0	3415.6	3440.3	3449.1	3454.3
MINING	22.6	24.7	23.8	23.1	22.6	22.5	22.5	22.4	21.9	21.8	21.8	21.9	21.8
Bituminous coal and lignite mining	10.1	10.6	10.3	10.2	10.2	10.2	10.1	10.2	10.0	9.9	9.9	9.9	9.8
Oil and gas extraction	7.9	10.2	9.6	8.8	7.8	7.6	7.5	7.3	7.0	7.0	7.2	7.4	7.5
CONSTRUCTION	160.7	133.8	128.7	133.9	151.2	161.9	167.8	175.5	179.0	178.2	179.7	174.2	164.2
General building contractors	40.6	35.3	34.1	35.2	37.8	40.3	42.1	43.7	44.6	44.0	44.4	43.4	42.0
Heavy construction contractors	20.6	13.4	12.6	13.6	18.9	22.1	23.6	24.5	25.2	25.1	25.6	23.1	19.6
Highway and street construction	9.0	4.2	4.0	4.7	8.0	10.3	11.4	11.7	12.1	12.0	11.6	10.1	7.9
Special trade contractors	99.5	85.2	81.9	85.1	94.5	99.5	102.1	107.3	109.3	109.0	109.7	107.7	102.6
TRANSPORTATION AND PUBLIC UTILITIES	203.4	198.0	197.5	198.9	202.0	203.4	200.3	205.2	206.0	206.5	207.9	207.8	207.8
Railroad transportation	15.6	15.4	15.3	15.3	16.0	16.0	15.7	16.0	15.9	15.8	15.6	15.1	14.5
Transportation, except railroads	97.8	92.5	92.3	93.7	95.9	97.1	98.2	98.3	99.0	99.9	102.0	102.4	102.9
Trucking and warehousing	68.9	65.5	65.2	66.4	67.4	67.9	68.7	69.3	69.9	70.2	71.5	72.0	72.7
Communication, electric, gas services	90.1	90.1	89.9	90.0	90.1	90.3	86.3	91.0	91.1	90.8	90.3	90.4	90.3
Communication	48.3	48.9	48.8	48.8	48.8	48.8	45.2[e]	48.5	48.5	48.5	48.2	48.3	48.2
Electric, gas, and sanitary services	41.7	41.2	41.1	41.2	41.2	41.5	41.1	42.5	42.5	42.3	42.1	42.1	42.1
WHOLESALE TRADE	244.3	242.9	241.9	242.3	243.8	244.9	245.9	245.6	245.0	244.2	245.3	244.7	244.7
Wholesale trade-durable goods	154.6	154.6	154.0	154.3	154.7	155.0	155.3	155.4	154.7	154.3	154.7	154.0	153.7
Motor vehicles & automotive equipment	22.1	22.5	22.3	22.4	22.1	22.2	22.3	22.3	22.1	22.0	21.8	21.7	21.7
Electrical goods	19.9	20.7	20.6	20.6	20.2	20.0	19.9	19.8	19.5	19.2	19.4	19.5	19.4
Machinery, equipment, and supplies	66.5	66.8	66.6	66.5	66.9	66.8	66.8	66.8	66.6	66.4	66.1	65.8	65.5
Wholesale trade-nondurable goods	89.7	88.3	87.9	88.0	89.1	89.8	90.6	90.1	90.3	90.0	90.6	90.7	91.0
Groceries and related products	28.3	27.6	27.5	27.6	27.9	28.3	28.7	28.3	28.4	28.5	28.8	28.9	29.0
RETAIL TRADE	818.6	788.0	778.7	784.8	803.2	816.6	824.4	825.4	830.9	833.7	834.2	844.4	858.2
General merchandise stores	115.3	116.6	110.3	109.1	109.6	110.3	111.2	111.6	113.2	115.6	118.8	125.1	131.9
Department stores	102.1	104.6	98.7	97.5	97.8	98.1	98.7	98.7	99.9	101.8	104.3	109.7	115.9
Food stores	128.3	125.7	125.1	125.0	126.7	128.1	128.7	128.9	129.4	129.8	129.3	130.9	132.3
Automobile dealers and service stations	90.7	87.9	88.2	88.9	90.2	90.9	91.9	92.4	92.4	92.2	91.6	91.1	90.7
Apparel and accessory stores	39.0	38.0	36.7	37.0	37.1	37.6	37.8	38.1	39.0	39.1	40.6	42.1	44.7
Eating and drinking places	288.1	267.5	268.3	273.4	285.3	293.1	297.7	297.4	299.5	298.5	292.8	292.0	291.9

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1986[a] (continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	232.3	223.4	224.2	225.3	228.3	230.9	234.0	236.0	236.5	236.2	236.4	237.3	238.5
Banking	61.5	60.7	60.8	60.9	61.0	61.3	61.8	62.0	61.9	61.9	61.8	61.9	62.2
Credit agencies other than banks	36.0	34.7	35.0	35.2	35.8	36.2	36.5	36.7	36.7	36.5	36.3	36.4	36.6
Insurance carriers	64.0	61.1	61.5	61.8	62.5	63.1	64.0	64.3	65.0	65.4	65.6	66.2	66.9
Life insurance	24.3	23.2	23.3	23.4	23.6	24.0	24.3	24.2	24.6	24.9	25.2	25.5	26.0
Fire, marine, and casualty insurance	28.7	27.9	28.0	28.2	28.4	28.4	28.8	29.0	29.1	29.1	29.1	29.2	29.4
SERVICES	1001.0	949.7	956.8	965.7	991.4	1004.5	1014.4	1018.6	1019.9	1025.9	1023.4	1021.7	1019.5
Hotels and other lodging places	33.6	31.2	31.4	31.4	32.7	34.1	35.2	36.2	36.2	35.1	33.7	33.3	33.1
Personal services	54.0	53.4	53.8	54.2	55.0	53.4	53.4	53.3	53.4	53.9	54.6	54.5	54.8
Laundry, cleaning, & garment services	18.1	17.4	17.4	17.6	18.0	18.2	18.3	18.1	18.1	18.3	18.6	18.6	18.6
Business services	192.7	177.7	178.7	180.5	187.2	189.8	192.9	197.0	198.5	200.0	202.7	203.5	204.5
Services to buildings	27.9	26.5	26.7	27.0	27.4	27.7	28.1	28.1	28.4	28.4	28.4	28.6	28.7
Computer and data processing services	17.5	16.7	16.9	16.8	17.0	17.2	17.4	17.7	17.8	17.8	18.0	18.1	18.3
Amusement and recreation services	39.7	27.3	27.8	29.8	37.3	45.5	51.3	52.1	52.5	48.6	37.1	34.1	32.8
Health services	344.5	335.0	335.9	337.2	339.8	341.5	344.7	348.0	348.7	349.5	350.6	351.5	352.1
Nursing and personal care facilities	76.2	73.5	73.8	74.2	74.8	75.6	76.8	77.1	77.6	78.0	77.6	77.9	77.9
Hospitals	170.1	166.2	166.5	166.9	168.2	168.5	169.6	171.7	171.6	171.8	172.8	173.5	173.4
Educational services	60.1	61.3	64.4	64.1	63.7	60.9	54.9	49.9	49.0	58.7	64.6	65.8	63.7
Colleges and universities	32.7	33.6	36.4	35.9	35.5	32.6	27.8	25.3	24.8	31.7	36.3	37.3	35.2
GOVERNMENT	678.9	678.0	687.3	690.5	690.0	694.9	678.6	637.7	632.8	669.2	691.6	697.1	699.6
Federal government	94.0	93.2	93.1	93.7	93.7	94.0	94.3	94.6	94.4	94.0	93.1	94.1	95.4
State government	148.4	147.5	152.0	153.0	154.3	153.7	145.9	132.0	131.9	141.9	154.9	155.8	157.3
State government education[d]	76.6	78.2	82.4	83.2	82.4	82.4	72.3	57.9	56.8	69.4	83.6	84.7	85.4
State government, except education	71.8	69.3	69.6	69.8	72.0	71.3	73.6	74.1	75.1	72.5	71.3	71.1	71.8
Local government	436.6	437.3	442.2	443.8	441.9	447.2	438.4	411.2	406.5	433.2	443.6	447.1	446.9
Local government education	250.9	254.7	260.5	261.6	259.2	262.0	247.6	215.9	213.8	247.4	260.3	264.1	264.3
Local government, except education	185.7	182.6	181.6	182.2	182.8	185.2	190.8	195.3	192.6	185.8	183.3	183.0	182.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [e]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
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AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.73	$11.77	$11.77	$11.73	$11.71	$11.71	$11.70	$11.58	$11.64	$11.74	$11.76	$11.84	$11.84
Durable Goods[b]	12.11	12.18	12.17	12.12	12.10	12.09	12.06	11.89	12.00	12.10	12.13	12.22	12.21
Lumber and wood products	7.31	7.15	7.27	7.29	7.32	7.31	7.34	7.28	7.34	7.30	7.38	7.37	7.30
Furniture and fixtures	8.64	8.59	8.43	8.47	8.50	8.60	8.57	8.64	8.74	8.66	8.73	8.79	8.92
Stone, clay, and glass products	10.71	10.79	10.67	10.75	10.71	10.74	10.72	10.68	10.60	10.78	10.68	10.69	10.68
Glass and glassware, pressed or blown	11.52	11.54	11.36	11.29	11.37	11.42	11.44	11.67	11.46	11.74	11.75	11.62	11.59
Primary metal industries	13.54	13.43	13.45	13.42	13.50	13.45	13.48	13.43	13.51	13.79	13.60	13.72	13.65
Blast furnace and basic steel products	13.93	13.79	13.80	13.75	13.84	13.83	13.85	13.84	13.93	14.30	14.02	14.07	14.06
Iron and steel foundries	13.93	13.93	14.03	13.95	14.14	13.90	13.94	13.54	13.80	13.80	13.98	14.14	13.97
Nonferrous rolling and drawing	14.28	13.91	14.04	14.05	13.98	14.05	14.15	14.35	14.36	14.77	14.39	14.68	14.57
Fabricated metal products	11.74	11.97	11.95	11.84	11.71	11.71	11.69	11.43	11.53	11.60	11.79	11.83	11.75
Cutlery, hand tools, and hardware	11.79	11.83	11.86	11.89	11.89	11.69	11.61	11.55	11.55	11.67	11.88	12.09	11.97
Fabricated structural metal products	10.67	10.51	10.66	10.69	10.51	10.78	10.64	10.28	10.69	10.66	10.81	10.83	10.88
Metal forgings and stampings	14.10	14.67	14.57	14.25	14.03	13.96	14.04	13.76	13.72	13.82	14.15	14.17	13.90
Machinery, except electrical	11.71	11.73	11.76	11.83	11.71	11.67	11.78	11.59	11.57	11.57	11.69	11.83	11.78
Construction and related machinery	10.16	10.10	.19	10.20	10.13	10.27	10.27	10.09	9.96	10.05	10.19	10.20	10.20
Metalworking machinery	11.16	11.09	.10	11.07	11.09	11.12	11.09	11.04	11.09	11.13	11.25	11.32	11.44
Special industry machinery	11.30	11.01	11.05	11.27	11.28	11.20	11.33	11.25	11.30	11.44	11.46	11.43	11.60
General industrial machinery	12.21	11.98	12.10	12.50	12.04	12.18	12.35	12.06	12.12	12.31	12.20	12.37	12.26
Office and computing machines	9.76	9.54	9.63	9.66	9.60	9.68	9.71	9.70	9.90	9.80	9.85	9.88	10.08
Refrigeratiion and service machinery	13.44	14.19	14.11	13.55	13.34	13.21	13.40	13.18	13.04	12.99	13.19	13.67	13.37
Electric and electronic equipment	11.13	11.17	11.05	11.11	11.15	11.16	11.10	11.01	11.10	11.19	11.15	11.19	11.18
Electric and industrial apparatus	11.01	10.78	10.84	10.78	11.01	11.11	11.15	11.03	11.10	11.13	11.06	11.09	10.97
Household appliances	11.74	11.77	11.56	11.70	11.65	11.70	11.65	11.57	11.72	11.78	11.84	11.93	12.05
Electric lighting and wiring equipment	11.39	11.82	11.50	11.65	11.65	11.42	11.36	11.15	11.09	11.25	11.28	11.24	11.22
Communication equipment	11.88	11.41	11.52	11.62	11.92	12.24	12.20	11.97	11.96	12.07	12.20	11.78	11.68
Transportation equipment	14.47	14.43	14.43	14.36	14.32	14.41	14.32	14.18	14.47	14.45	14.63	14.75	14.85
Motor vehicles and equipment	14.91	14.95	14.90	14.83	14.79	14.85	14.77	14.65	14.86	14.81	15.04	15.15	15.25
Aircraft and parts	13.49	13.26	13.43	13.27	13.15	13.37	13.31	13.27	13.79	13.73	13.78	13.81	13.91
Instruments and related products	9.13	9.15	9.07	9.11	9.13	9.11	9.14	9.07	9.09	9.19	9.10	9.12	9.22
Measuring and controlling devices	9.27	9.48	9.37	9.45	9.47	9.31	9.28	9.24	9.08	9.14	9.06	9.12	9.22
Nondurable Goods[c]	10.86	10.78	10.79	10.79	10.77	10.81	10.86	10.87	10.82	10.92	10.90	10.96	10.99
Food and kindred products	10.41	10.39	10.45	10.42	10.35	10.38	10.44	10.48	10.19	10.31	10.39	10.50	10.60
Meat products	9.13	9.30	9.19	9.15	8.89	8.92	8.98	9.00	9.04	9.25	9.24	9.32	9.34
Dairy products	10.85	10.82	10.87	10.82	10.84	10.73	10.64	10.90	10.77	10.98	10.86	10.92	11.03
Preserved fruits and vegetables	10.34	10.57	10.44	10.31	10.45	10.56	10.47	10.44	9.55	9.80	10.38	10.80	10.99
Bakery products	11.65	11.77	11.75	11.65	11.84	11.67	11.66	11.57	11.58	11.55	11.47	11.69	11.68
Beverages	10.22	9.82	9.84	9.96	9.96	10.27	10.35	10.33	10.48	10.54	10.25	10.30	10.51
Apparel and other textile products	7.42	7.40	7.29	7.22	7.25	7.31	7.44	7.44	7.48	7.56	7.45	7.49	7.65

See footnotes at end of table.

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1987[a] (continued)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	$11.16	$11.18	$11.09	$11.16	$11.07	$11.22	$11.19	$11.13	$11.21	$11.28	$11.16	$11.12	$11.15
Misc. converted paper products	10.25	10.50	10.05	10.17	10.00	10.29	10.39	10.28	10.53	10.51	10.06	10.12	10.12
Paperboard containers and boxes	10.08	10.05	10.19	10.02	10.09	10.29	10.09	10.07	10.07	10.07	10.07	9.90	10.03
Printing and publishing	11.00	10.83	10.98	10.85	10.81	10.88	10.94	10.93	11.05	11.19	11.11	11.15	11.21
Newspapers	10.51	10.19	10.34	10.23	10.31	10.50	10.54	10.41	10.44	10.89	10.69	10.93	10.65
Commercial printing	10.55	10.40	10.68	10.48	10.26	10.35	10.43	10.55	10.70	10.71	10.61	10.62	10.83
Chemicals and allied products	12.73	12.50	12.67	12.67	12.65	12.69	12.67	12.66	12.68	12.85	12.85	12.94	12.89
Industrial inorganic chemicals	13.64	13.39	13.51	13.40	13.58	13.69	13.67	13.37	13.75	13.84	13.82	13.83	13.73
Rubber and misc. plastics products	10.36	10.34	10.28	10.29	10.32	10.29	10.39	10.42	10.39	10.34	10.40	10.42	10.45
Tires and inner tubes	14.11	13.88	14.02	14.06	13.95	13.66	14.11	14.31	14.23	14.35	14.33	14.18	14.19
Miscellaneous plastics products	10.05	10.04	9.93	9.94	10.03	10.07	10.14	10.11	10.06	9.96	10.07	10.08	10.14
MINING	12.45	12.51	12.55	12.54	12.43	12.27	12.29	12.28	12.56	12.53	12.38	12.52	12.49
Bituminous coal and lignite mining	15.38	15.48	15.30	15.38	15.34	15.29	15.34	15.26	15.51	15.48	15.23	15.43	15.46
CONSTRUCTION	14.63	14.62	14.57	14.62	14.44	14.45	14.48	14.56	14.66	14.59	14.70	14.88	14.93
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.53	13.25	13.25	13.30	13.42	13.39	13.52	13.65	13.68	13.75	13.67	13.73	13.76
Communication	13.37	13.13	13.13	13.16	13.34	13.16	13.38	13.48	13.58	13.62	13.50	13.50	13.50
Electric, gas, and sanitary services	13.73	13.41	13.40	13.47	13.52	13.68	13.71	13.87	13.81	13.92	13.90	14.03	14.06
WHOLESALE TRADE	9.59	9.42	9.44	9.48	9.52	9.56	9.57	9.57	9.56	9.69	9.76	9.76	9.75
Wholesale trade-durable goods	9.47	9.29	9.31	9.38	9.40	9.45	9.50	9.50	9.48	9.57	9.61	9.57	9.55
Wholesale trade-nondurable goods	9.80	9.64	9.68	9.66	9.72	9.74	9.69	9.67	9.70	9.87	10.02	10.08	10.09
RETAIL TRADE[d]	5.65	5.57	5.64	5.66	5.63	5.62	5.62	5.60	5.61	5.70	5.71	5.69	5.76
General merchandise stores	6.15	5.91	6.07	6.12	6.12	6.17	6.20	6.20	6.18	6.30	6.22	6.11	6.16
Department stores	6.31	6.10	6.26	6.29	6.28	6.34	6.36	6.35	6.33	6.44	6.37	6.24	6.31
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	9.98	9.77	9.79	9.81	9.88	9.94	9.94	10.01	10.03	10.10	10.15	10.16	10.15

[a]Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data related to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during the pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-0 (1987)

1.

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.6	42.7	42.4	42.5	42.1	42.5	42.6	41.9	42.3	42.6	42.9	43.2	43.3
Durable Goods[b]	42.9	43.1	42.8	42.9	42.5	42.8	42.9	42.2	42.5	42.7	43.2	43.5	43.6
Lumber and wood products	41.0	40.1	40.2	42.0	41.5	41.9	41.6	41.0	41.0	40.2	40.9	41.0	41.1
Furniture and fixtures	40.9	40.7	40.6	40.7	39.8	40.4	40.8	40.5	41.6	40.8	41.5	40.9	41.9
Stone, clay, and glass products	42.0	40.9	41.3	41.8	41.8	42.6	42.3	41.8	41.6	42.7	42.3	42.8	42.3
Glass and glassware, pressed or blown.	40.1	40.4	40.5	40.2	40.1	39.7	39.8	39.8	40.2	40.7	39.5	40.4	39.7
Primary metal industries	44.5	44.2	43.9	43.8	44.1	44.2	44.5	44.5	44.7	45.7	44.2	44.8	44.8
Blast furnace and basic steel products	45.0	44.6	43.4	43.8	44.6	44.8	45.3	46.1	45.1	46.7	44.3	45.6	46.1
Iron and steel foundries	44.7	45.6	45.4	44.5	45.2	44.4	44.7	43.3	45.2	44.7	44.4	44.9	44.0
Nonferrous rolling and drawing	42.5	41.9	42.6	42.7	41.8	42.1	42.0	41.9	42.5	44.7	42.7	42.8	41.6
Fabricated metal products	42.6	43.1	42.7	42.8	42.0	42.3	42.9	41.4	42.0	41.8	42.7	43.2	43.8
Cutlery, hand tools, and hardware	40.3	39.9	40.2	39.8	40.0	40.8	40.2	40.0	39.9	39.1	41.4	41.1	41.3
Fabricated structural metal products	42.8	42.0	42.0	42.6	41.5	42.6	43.4	41.7	44.4	42.7	43.1	43.2	44.2
Metal forgings and stampings	43.7	45.9	44.8	44.7	43.6	43.3	44.1	41.4	42.2	42.4	43.3	43.8	44.5
Machinery, except electrical	42.9	42.5	42.5	42.8	42.3	42.6	42.9	42.7	42.3	42.3	43.7	44.1	44.2
Construction and related machinery	41.2	41.0	40.6	41.2	41.3	41.6	41.7	40.6	39.9	40.8	41.0	42.0	42.6
Metalworking machinery	43.0	42.2	41.9	41.6	41.8	42.6	43.3	42.6	42.9	42.9	43.9	44.6	45.4
Special industry machinery	42.6	41.8	41.5	42.3	42.4	43.2	42.8	41.7	42.5	41.6	43.9	43.7	44.3
General industrial machinery	42.7	42.4	42.6	43.5	41.5	42.2	43.1	42.0	41.5	42.7	43.3	44.2	43.7
Office and computing machines	43.1	40.2	42.0	42.6	43.8	43.5	41.6	42.3	44.7	43.7	44.1	43.2	45.3
Refrigeration and service machinery	42.5	43.1	43.9	42.7	41.7	42.3	43.0	43.5	41.2	41.6	42.6	42.6	41.7
Electric and electronic equipment	41.6	42.4	41.4	41.7	41.4	41.5	41.2	40.8	41.3	40.4	41.8	42.5	42.6
Electric and electronic equipment	42.2	42.1	40.9	41.5	41.0	42.0	42.3	41.5	43.5	41.7	43.2	43.7	43.1
Household appliances	40.7	43.0	41.8	41.2	40.4	40.9	39.3	41.0	40.5	38.5	40.2	40.8	40.3
Electric lighting and wiring equipment	41.4	42.4	41.7	42.0	42.2	41.2	41.5	39.1	39.9	39.4	41.9	42.6	43.2
Communication equipment	41.4	40.3	39.5	40.6	42.8	43.4	41.8	41.6	40.4	40.8	42.0	41.5	41.8
Transportation equipment	44.1	44.9	44.8	44.6	44.0	44.0	43.9	42.6	43.4	43.9	44.6	44.3	44.2
Motor vehicles and equipment	44.1	45.3	44.7	44.7	44.0	44.1	43.9	42.1	43.3	43.8	44.8	44.5	44.1
Aircraft and parts	44.5	44.2	45.6	44.6	43.4	44.1	44.2	44.0	44.0	44.1	44.6	45.0	46.0
Instruments and related products	40.5	41.0	40.7	40.7	40.0	40.1	39.8	39.5	40.9	41.3	40.6	40.5	40.8
Measuring and controlling devices	38.8	39.5	38.5	39.5	39.0	38.7	37.9	38.5	39.1	38.8	38.6	38.7	38.6
Nondurable Goods[c]	41.9	41.7	41.4	41.6	41.2	41.7	41.8	41.4	41.9	42.3	42.3	42.6	42.7
Food and kindred products	42.3	42.2	41.7	41.9	41.6	42.4	42.7	41.5	42.7	44.0	41.6	42.3	43.0
Meat products	42.0	41.3	41.7	43.4	42.0	43.1	43.2	40.0	41.9	42.5	40.7	42.6	41.5
Dairy products	43.3	42.4	42.8	42.4	43.7	42.7	43.2	44.0	43.6	45.2	42.8	42.5	43.6
Preserved fruits and vegetables	41.9	43.3	42.3	39.2	39.1	40.5	40.8	40.0	43.6	46.4	39.9	41.9	43.7
Bakery products	39.8	38.9	38.9	39.4	39.4	40.0	40.8	39.7	39.9	39.4	40.2	40.4	40.2
Beverages	41.5	40.0	39.3	40.5	41.8	43.2	43.1	42.0	43.0	43.3	40.6	40.1	41.1
Apparel and other textile products	38.4	37.0	37.9	38.5	37.5	37.7	37.6	37.7	38.9	38.5	39.6	40.0	40.2

See footnotes at end of table.

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1987[a] (continued)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	44.7	45.0	44.4	44.8	44.7	45.3	45.4	44.3	44.6	45.3	44.7	44.3	44.0
Misc. converted paper products	44.1	46.2	44.8	44.8	43.6	44.0	44.1	43.1	44.5	43.8	42.9	43.6	43.5
Paperboard containers and boxes	43.4	42.6	42.8	42.8	42.9	44.7	44.4	43.0	43.2	43.7	44.2	43.3	42.7
Printing and publishing	39.0	38.5	38.3	38.3	38.3	38.5	38.6	38.5	39.1	39.7	39.8	40.0	40.2
Newspapers	35.0	33.7	34.6	35.0	34.9	35.7	35.0	34.1	34.4	36.8	35.4	35.7	34.2
Commercial printing	40.1	39.3	39.1	39.0	39.4	39.1	39.2	39.8	40.5	41.0	41.3	41.6	41.7
Chemicals and allied products	42.2	41.9	41.6	41.8	41.9	41.9	41.8	41.7	41.9	42.2	42.4	43.5	43.9
Industrial inorganic chemicals	43.2	41.1	41.6	42.1	43.0	43.0	42.4	42.3	43.5	44.0	44.7	45.4	45.5
Rubber and misc. plastics products	42.6	42.9	42.2	42.6	41.8	42.3	42.5	41.9	42.7	42.3	43.6	43.6	43.2
Tires and inner tubes	45.8	46.6	45.5	45.3	46.2	43.7	45.4	45.9	45.9	46.3	46.1	46.4	45.9
Miscellaneous plastics products	42.2	42.7	41.9	42.4	41.3	42.1	42.1	41.6	42.0	41.5	43.2	43.3	42.7
MINING	43.1	43.7	43.5	43.0	42.4	42.8	42.3	43.2	43.4	43.2	43.5	43.4	42.9
Bituminous coal and lignite mining	41.9	42.0	42.8	42.1	41.3	40.4	40.6	41.3	42.7	42.2	42.0	42.5	42.6
CONSTRUCTION	38.6	38.4	37.7	38.4	37.3	38.9	38.7	39.1	39.4	36.9	39.9	39.6	38.5
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	40.8	40.4	40.0	40.1	41.2	40.6	41.1	41.5	41.0	41.2	40.8	40.7	40.9
Communication	40.4	40.0	39.5	39.6	41.2	40.0	40.9	41.5	40.9	41.0	40.2	40.1	40.3
Electric, gas, and sanitary services	41.3	40.9	40.7	40.8	41.1	41.5	41.3	41.6	41.1	41.4	41.5	41.5	41.7
WHOLESALE TRADE	39.3	39.1	38.7	38.9	38.8	39.3	39.2	39.6	39.5	39.5	39.5	39.6	39.5
Wholesale trade-durable goods	39.3	39.3	39.0	39.0	38.9	39.2	39.1	39.4	39.4	39.2	39.4	39.6	39.7
Wholesale trade-nondurable goods	39.3	38.7	38.3	38.7	38.6	39.5	39.4	40.0	39.6	39.8	39.7	39.6	39.3
RETAIL TRADE	28.6	28.0	27.8	28.0	28.3	28.5	28.7	29.2	29.3	28.8	28.7	28.3	29.0
General merchandise stores	29.2	28.7	28.2	28.9	29.5	29.4	29.5	30.0	30.0	30.0	28.6	28.0	29.7
Department stores	29.3	28.6	28.1	28.9	29.6	29.5	29.6	30.2	30.2	30.3	28.7	28.0	29.7
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	33.0	33.2	33.1	33.2	33.0	32.9	33.2	33.3	33.2	33.2	32.7	32.7	32.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes miscellaneous manufacturing. [c]Includes tobaccco manufactures; textile mill products petroleum and coal products; leather and leather products. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
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AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$499.70	$502.58	$499.05	$498.53	$492.99	$497.68	$498.42	$485.20	$492.37	$500.12	$504.50	$511.49	$512.67
Durable Goods[b]	519.52	524.96	520.88	519.95	514.25	517.45	517.37	501.76	510.00	516.67	524.02	531.57	532.36
Lumber and wood products	299.71	286.72	292.25	306.18	303.78	306.29	305.34	298.48	300.94	293.46	301.84	302.17	300.03
Furniture and fixtures	353.38	349.61	342.26	344.73	338.30	347.44	349.66	349.92	363.58	353.33	362.30	359.51	373.75
Stone, clay, and glass products	449.82	441.31	440.67	449.35	447.68	457.52	453.46	446.42	440.96	460.31	451.76	457.53	451.76
Glass and glassware, pressed or blown	461.95	466.22	460.08	453.86	455.94	453.37	455.31	464.47	460.69	477.82	464.13	469.45	460.12
Primary metal industries	602.53	593.61	590.46	587.80	595.25	594.49	599.86	597.64	603.90	630.20	601.12	614.66	611.52
Blast furnace and basic steel products	626.85	615.03	598.92	602.25	617.26	619.58	627.41	638.02	628.24	667.81	621.09	641.59	648.17
Iron and steel foundries	622.67	635.21	636.96	620.78	639.13	617.16	623.12	586.28	623.76	616.86	620.71	634.89	614.68
Nonferrous rolling and drawing	606.90	582.83	598.10	599.94	584.36	591.51	594.30	601.27	610.30	660.22	614.45	628.30	606.11
Fabricated metal products	500.12	515.91	510.27	506.75	491.82	495.33	501.50	473.20	484.26	484.88	503.43	511.06	514.65
Cutlery, hand tools, and hardware	475.14	472.02	476.77	473.22	475.60	476.95	466.72	462.00	460.85	456.30	491.83	496.90	494.36
Fabricated structural metal products	456.68	441.42	447.72	455.39	436.17	459.23	461.78	428.68	474.64	455.18	465.91	467.86	480.90
Metal forgings and stampings	616.17	673.35	652.74	636.98	611.71	604.47	619.16	569.66	578.98	585.97	612.70	620.65	618.55
Machinery, except electrical	502.36	498.53	499.80	506.32	495.33	497.14	505.36	494.89	489.41	489.41	510.85	521.70	520.68
Construction and related machinery	418.59	414.10	413.71	420.24	418.37	427.23	428.26	409.65	397.40	410.04	417.79	428.40	434.52
Metalworking machinery	479.88	468.00	465.09	460.51	463.56	473.71	480.20	470.30	475.76	477.48	493.88	504.87	519.38
Special industry machinery	481.38	460.22	458.58	476.72	478.27	483.84	484.92	469.13	480.25	475.90	503.09	499.49	513.88
General industrial machinery	521.37	507.95	515.46	543.75	499.66	514.00	532.29	506.52	502.98	525.64	528.26	546.75	535.76
Office and computing machines	420.66	383.51	404.46	411.52	420.48	421.08	403.94	410.31	442.53	428.26	434.39	426.82	456.62
Refrigeration and service machinery	571.20	611.59	619.43	578.59	556.28	558.78	576.20	573.33	537.25	540.38	561.89	582.34	557.53
Electric and electronic equipment	463.01	473.61	457.47	463.29	461.61	463.14	457.32	449.21	458.43	452.08	466.07	475.58	476.27
Electric and electronic equipment	464.62	453.84	443.36	447.37	451.41	466.62	471.65	457.75	482.85	464.12	477.79	484.63	472.81
Household appliances	477.82	506.11	483.21	482.04	470.66	478.53	457.85	474.37	474.66	453.53	475.97	486.74	485.62
Electric lighting and wiring equipment	471.55	501.17	479.55	489.30	491.63	470.50	471.44	435.97	442.49	443.25	472.63	478.82	484.70
Communication equipment	491.83	459.82	455.04	471.77	510.18	531.22	509.96	497.95	483.18	492.46	512.40	488.87	488.22
Transportation equipment	638.13	647.91	646.46	640.46	630.08	634.04	628.65	604.07	628.00	634.36	652.50	653.43	656.37
Motor vehicles and equipment	657.53	677.24	666.03	662.90	650.76	654.89	648.40	616.77	643.44	648.68	673.79	674.18	672.53
Aircraft and parts	600.31	586.09	612.41	591.84	570.71	589.62	588.30	583.88	606.76	605.49	614.59	621.45	639.86
Instruments and related products	369.77	375.15	369.15	370.78	365.20	365.31	363.77	358.27	371.78	379.55	369.46	369.36	376.18
Measuring and controlling devices	359.68	374.46	360.75	373.28	369.33	360.30	351.71	355.74	355.03	354.63	349.72	352.94	355.89
Nondurable Goods[c]	455.03	449.53	446.71	448.86	443.72	450.78	453.95	450.02	453.36	461.92	461.07	466.90	469.27
Food and kindred products	440.34	438.46	435.77	436.60	430.56	440.11	445.79	434.92	435.11	453.64	432.22	444.15	455.80
Meat products	383.46	384.09	383.22	397.11	373.38	384.45	387.94	360.00	378.78	393.13	376.07	397.03	387.61
Dairy products	469.81	458.77	465.24	458.77	473.71	458.17	459.65	479.60	469.57	496.30	464.81	464.10	480.91
Preserved fruits and vegetables	433.25	457.68	441.61	404.15	408.60	427.68	427.18	417.60	416.38	454.72	414.16	452.52	480.26
Bakery products	463.67	457.85	457.08	459.01	466.50	466.80	475.73	459.33	462.04	455.07	461.09	472.28	469.54
Beverages	424.13	392.80	386.71	403.38	416.33	443.66	446.09	433.86	450.64	456.38	416.15	413.03	431.96
Apparel and other textile products	284.93	273.80	276.29	277.97	271.88	275.59	279.74	280.49	290.97	291.06	295.02	299.60	307.53

See footnotes at end of table.

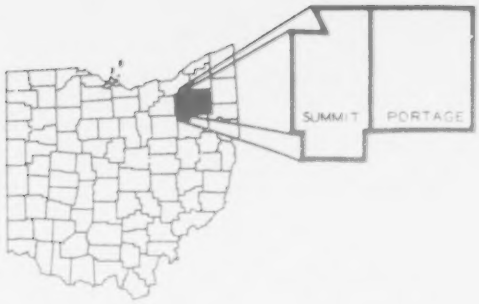
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1987[a] (continued)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	$498.85	$503.10	$492.40	$499.97	$494.83	$508.27	$508.03	$493.06	$499.97	$510.98	$498.85	$492.62	$490.60
Misc. converted paper products	452.03	485.10	450.24	455.62	436.00	452.76	458.20	443.07	468.59	460.34	431.57	441.23	440.22
Paperboard containers and boxes	437.47	428.13	436.13	428.86	432.86	459.96	448.00	433.01	435.02	440.06	445.09	428.67	428.28
Printing and publishing	429.00	416.96	420.53	415.56	414.02	418.88	422.28	420.81	432.06	444.24	442.18	446.00	450.64
Newspapers	367.85	343.40	357.76	358.05	359.82	374.85	368.90	354.98	359.14	400.75	378.43	390.20	364.23
Commercial printing	423.06	408.72	417.59	408.72	404.24	404.69	408.86	419.89	433.35	439.11	438.19	441.79	451.61
Chemicals and allied products	537.21	523.75	527.07	529.61	530.04	531.71	529.61	527.92	531.29	542.27	544.84	562.89	565.87
Industrial inorganic chemicals	589.25	550.33	562.02	564.14	583.94	588.67	579.61	565.55	598.13	608.96	617.75	627.88	624.72
Rubber and misc. plastics products	441.34	443.59	433.82	438.35	431.38	435.27	441.58	436.60	443.65	437.38	453.44	454.31	451.44
Tires and inner tubes	646.24	646.81	637.91	636.92	644.49	596.94	640.59	656.83	653.16	664.41	660.61	657.95	651.32
Miscellaneous plastics products	424.11	428.71	416.07	421.46	414.24	423.95	426.89	420.58	422.52	413.34	435.02	436.46	432.98
MINING	536.60	546.69	545.93	539.22	527.03	525.16	519.87	530.50	545.10	541.30	538.53	543.37	535.82
Bituminous coal and lignite mining	644.42	650.16	654.84	647.50	633.54	617.72	622.80	630.24	662.28	653.26	639.66	655.78	658.60
CONSTRUCTION	564.72	561.41	549.29	561.41	538.61	562.11	560.38	569.30	577.60	538.37	586.53	589.25	574.81
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	552.02	535.30	530.00	533.33	552.90	543.63	555.67	566.48	560.88	566.50	557.74	558.81	562.78
Communication	540.15	525.20	518.64	521.14	549.61	526.40	547.24	559.42	555.42	558.42	542.70	541.35	544.05
Electric, gas, and sanitary services	567.05	548.47	545.38	549.58	555.67	567.72	566.22	576.99	567.59	576.29	576.85	582.25	586.30
WHOLESALE TRADE	376.89	368.32	365.33	368.77	369.38	375.71	375.14	378.97	377.62	382.76	385.52	386.50	385.13
Wholesale trade-durable goods	372.17	365.10	363.09	365.82	365.66	370.44	371.45	374.30	373.51	375.14	378.63	378.97	379.14
Wholesale trade-nondurable goods	385.14	373.07	370.74	373.84	375.19	384.73	381.79	386.80	384.12	392.83	397.79	399.17	396.54
RETAIL TRADE[d]	161.59	155.96	156.79	158.48	159.33	160.17	161.29	163.52	164.37	164.16	163.88	161.03	167.04
General merchandise stores	179.58	169.62	171.17	176.87	180.54	181.40	182.90	186.00	185.40	189.00	177.89	171.08	182.95
Department stores	184.88	174.46	175.91	181.78	185.89	187.03	188.26	191.77	191.17	195.13	182.82	174.72	187.41
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	258.85	257.28	254.65	256.09	258.17	260.96	258.56	260.42	261.64	257.46	260.75	258.76	261.35
Credit agencies other than banks	251.36	247.27	245.39	248.67	248.76	249.18	249.79	254.53	253.08	252.70	253.83	255.02	257.91
Insurance carriers	347.60	343.67	345.59	340.87	341.85	344.83	346.00	345.41	347.71	348.69	353.27	354.50	358.09
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	329.34	324.36	324.05	325.69	326.04	327.03	330.01	333.33	333.00	335.32	331.91	332.23	333.94

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Incudes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual: 1972 Revision." [b]Includes miscellaneous manufacturing. [c]Includes tobacco manufacturers; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-0 (1987)

AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



The estimated annual average civilian labor force in the Akron metropolitan area, based on place of residence, declined 500 from 1986, to 319,900 in 1987. Total employment advanced 2,400 over the year, to 297,200, while unemployment decreased 2,800. The unemployment rate dropped from 8.0 percent in 1986, to 7.1 percent in 1987. (See table, page 39, top.)

Nonagricultural wage and salary employment increased 4,100 from the 1986 level, to 264,800 in 1987. An expanded workforce in nonmanufacturing industries created 4,800 jobs. Primary growth sectors were services, particularly health and business services, and retail trade. Manufacturing employment declined 700 over the year. Significant losses were recorded in fabricated metal products and rubber and miscellaneous plastics products, especially tires and inner tubes.

In the Akron area, total nonfarm employment advanced 20,100 since the 1979-1983 recessionary period, although it remained 6,100 below the 1979 level. Gains in nonmanufacturing industries contributed most, with growth in retail trade (+6,100) and services (+5,300) accounting for 57.7 percent of the recovery. Manufacturing employment improved slightly since 1983 due to growth in durable-goods industries. However, nondurable-goods industries, especially tires and inner tubes, continued their downward trend. (See table, page 39, bottom.)

AKRON PMSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)

AKRON PMSA CIVILIAN LABOR FORCE AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage And Salary Employment		
	Employment							Manufacturing	
		Unemployment							Nonmfg.
			Unemployment Rate[b]						
			PMSA	Ohio	U.S.				
282.2	267.3	14.8	5.3	5.5	5.6	1972	248.1	91.3	156.8
287.1	274.9	12.2	4.3	4.3	4.9	1973	255.2	94.0	161.2
290.8	277.7	13.0	4.5	4.8	5.6	1974	259.0	94.2	164.8
292.0	264.3	27.7	9.5	9.1	8.5	1975	248.4	84.5	163.9
291.3	266.3	25.0	8.6	7.8	7.7	1976	247.3	80.3	167.0
294.2	274.7	19.5	6.6	6.5	7.1	1977	259.3	85.6	173.7
298.9	282.2	16.7	5.6	5.4	6.1	1978	266.6	85.9	180.7
303.8	285.4	18.4	6.1	5.9	5.8	1979	270.9	85.6	185.3
304.5	278.3	26.2	8.6	8.4	7.1	1980	262.4	79.1	183.3
304.1	274.9	29.1	9.6	9.6	7.6	1981	259.5	75.7	183.8
303.9	268.0	35.9	11.8	12.5	9.7	1982	248.8	68.3	180.5
302.5	265.2	37.3	12.3	12.2	9.6	1983	244.7	65.2	179.5
316.5	285.8	30.6	9.7	9.4	7.5	1984	252.2	67.9	184.4
317.8	289.9	28.0	8.8	8.9	7.2	1985	257.6	68.1	189.5
320.4	294.8	25.6	8.0	8.1	7.0	1986	260.7	67.2	193.5
319.9	297.2	22.8	7.1	7.0	6.2	1987	264.8	66.5	198.3

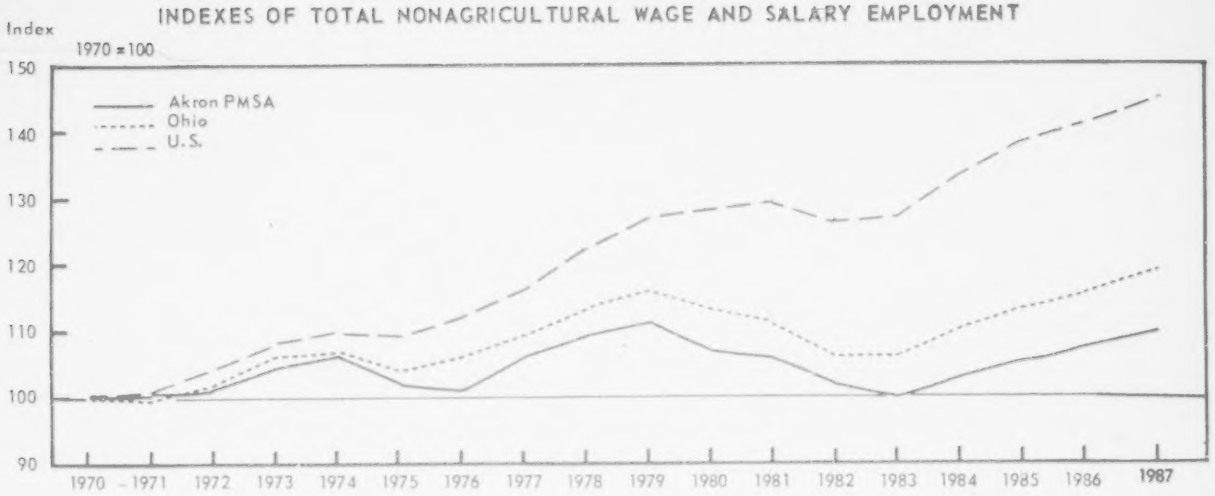
[a]Civilian Labor Force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.
[b]Unemployment as percentage of Civilian Labor Force.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE AKRON PRIMARY METROPOLITAN STATISTICAL AREA ANNUAL AVERAGE DATA FOR 1979, 1983, and 1987

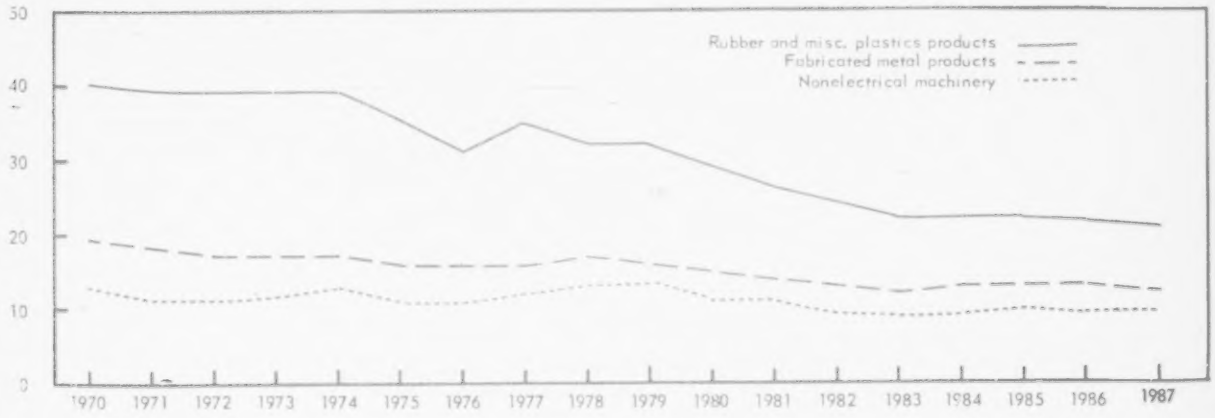
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1987	1979-1983	1983-1987	PMSA	Ohio
TOTAL	270.9	244.7	264.8	-26.2	20.1	76.7	124.0
MANUFACTURING	85.6	65.2	66.5	-20.4	1.3	6.4	9.3
Durable Goods	41.8	32.7	34.2	-9.1	1.5	16.5	5.0
Fabricated Metal Products	16.3	12.3	11.6	-4.0	- .7	-	8.1
Machinery, Except Electrical	13.0	8.5	9.3	-4.5	.3	17.8	.1
Nondurable Goods	43.9	32.5	32.3	-11.4	- .2	-	27.8
Rubber and Misc. Plastics Products	31.6	21.6	20.8	-10.0	- .8	-	42.5
Tires and Inner Tubes	24.7	15.5	13.0	-9.2	-2.5	-	-
CONSTRUCTION	9.2	6.9	8.9	-2.3	2.0	87.0	88.7
TRANSPORTATION AND PUBLIC UTILITIES	15.2	12.5	12.9	-2.7	.4	14.8	25.0
WHOLESALE TRADE	11.9	11.9	13.9	.0	2.0	+	254.4
RETAIL TRADE	46.2	45.3	51.6	- .9	6.3	700.0	435.4
FINANCE, INSURANCE, AND REAL ESTATE	9.4	9.1	10.5	- .3	1.4	466.7	+
SERVICES	49.7	52.3	57.6	2.6	5.3	+	+
GOVERNMENT	43.2	40.7	42.3	-2.5	1.6	64.0	178.8
State Government	12.4	13.1	14.5	.7	1.4	+	+
Local Government	28.7	25.5	25.4	-3.2	- .1	-	73.9

+ No downturn, 1979-1983.
- No upturn, 1983-1987.

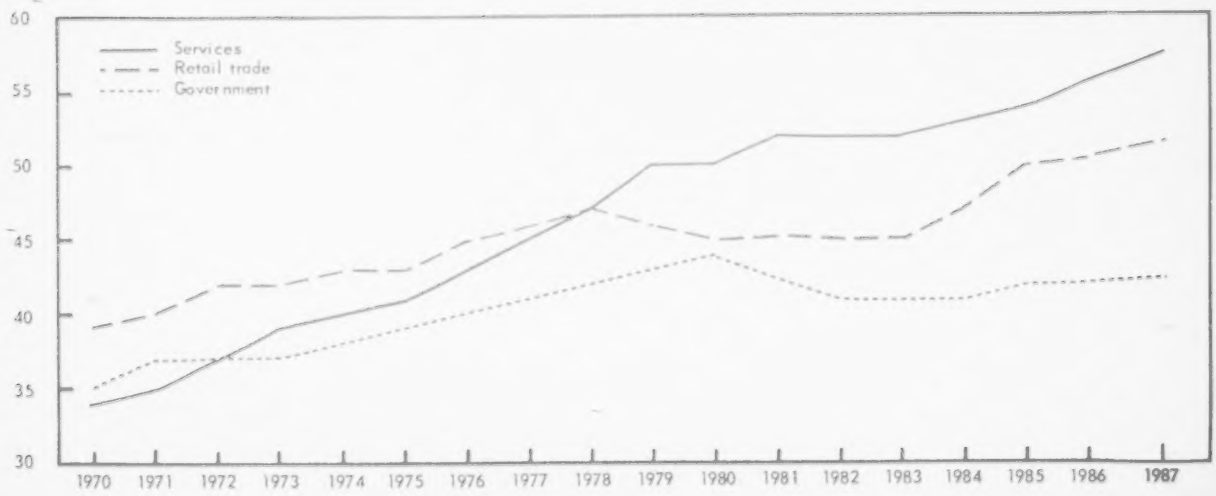
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



AKRON PMSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



AKRON PMSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON PMSA, 1987[a]
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	264.8	258.9	259.6	260.1	262.6	265.9	262.1	262.1	262.3	269.3	271.0	271.6	271.9
MANUFACTURING	66.5	66.7	66.3	66.0	66.1	66.1	66.3	66.0	66.1	67.1	66.7	67.1	67.0
Durable Goods[b]	34.2	34.2	34.1	34.0	34.1	34.1	33.9	33.5	33.6	34.5	34.5	34.9	34.7
Fabricated metal products	11.6	11.8	11.7	11.5	11.5	11.4	11.5	11.4	11.2	11.9	11.9	12.0	11.8
Machinery, except electrical	9.3	9.2	9.2	9.2	9.3	9.3	9.2	9.2	9.3	9.5	9.5	9.5	9.5
Metalworking machinery	3.3	3.1	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.3	3.4
Nondurable Goods[c]	32.3	32.5	32.3	32.0	32.0	32.0	32.3	32.5	32.5	32.6	32.2	32.3	32.3
Food and kindred products	3.0	2.9	2.9	2.9	2.9	2.9	3.0	3.1	3.1	3.1	3.1	3.0	3.1
Chemicals and allied products	3.0	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1
Rubber and misc. plastics products	20.8	21.4	21.1	20.8	20.8	20.6	20.8	20.8	20.7	20.8	20.5	20.7	20.7
Tires and inner tubes	13.0	13.7	13.4	13.2	13.1	12.9	13.0	13.1	13.0	13.0	12.7	12.6	12.6
NONMANUFACTURING[d]	198.3	192.3	193.3	194.0	196.4	199.8	195.8	196.0	196.2	202.3	204.3	204.4	204.9
CONSTRUCTION	8.9	7.5	7.3	7.5	8.2	9.0	9.4	9.7	9.8	9.8	10.0	9.6	8.9
TRANSPORTATION AND PUBLIC UTILITIES	12.9	12.8	12.8	12.8	12.8	12.8	12.9	13.1	13.1	13.1	13.1	13.1	13.1
Communication, electric, gas services	5.3	5.4	5.3	5.3	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3
WHOLESALE TRADE	13.9	13.6	13.6	13.6	13.8	13.9	14.1	14.1	14.0	14.0	14.1	14.0	14.1
RETAIL TRADE	51.6	50.5	50.2	50.4	50.6	51.4	51.5	51.4	51.5	52.1	52.4	53.2	53.8
General merchandise stores	6.4	6.7	6.2	6.1	6.1	6.1	6.1	6.2	6.2	6.4	6.5	6.9	7.2
FINANCE, INSURANCE, AND REAL ESTATE	10.5	10.3	10.4	10.4	10.4	10.5	10.5	10.7	10.7	10.6	10.6	10.6	10.6
Banking	3.1	3.1	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
SERVICES	57.6	54.4	54.9	54.9	56.1	57.6	58.9	59.3	59.7	59.5	59.1	58.6	58.8
Business services	11.1	10.4	10.5	10.4	10.7	10.7	11.1	11.3	11.4	11.5	11.6	11.5	11.7
Amusement and recreation services	3.4	2.4	2.5	2.5	2.9	3.8	4.3	4.6	4.7	4.1	3.3	3.1	3.1
Health services	19.3	18.6	18.8	18.8	18.8	19.0	19.2	19.4	19.5	19.6	19.7	19.7	19.8
GOVERNMENT	42.3	42.6	43.5	43.9	43.9	44.2	38.0	37.3	37.0	42.7	44.5	44.7	45.0
State government	14.5	14.6	15.5	15.7	15.6	15.7	10.7	10.5	10.4	15.2	16.5	16.7	16.8
State government education	11.5	11.7	12.6	12.8	12.7	12.7	7.6	7.4	7.2	12.1	13.6	13.8	13.9
State government, except education	3.0	2.9	2.9	2.9	2.9	3.0	3.1	3.1	3.2	3.0	2.9	2.9	2.9
Local government	25.4	25.5	25.7	25.8	25.9	26.1	24.8	24.4	24.3	25.1	25.7	25.7	25.8
Local government education	14.0	14.2	14.5	14.5	14.5	14.6	12.9	12.2	12.3	13.7	14.5	14.7	15.0
Local government, except education	11.4	11.2	11.2	11.3	11.4	11.5	11.9	12.2	11.9	11.4	11.2	11.1	10.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON PMSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	260.7	254.2	254.6	256.0	258.9	262.1	259.4	259.1	258.5	265.1	266.5	266.9	267.0
MANUFACTURING	67.2	66.6	66.6	66.7	67.2	67.4	67.7	67.5	67.4	67.4	67.3	67.2	67.0
Durable Goods[b]	34.8	34.7	34.8	34.9	35.0	35.2	35.3	34.8	34.8	34.8	34.7	34.6	34.4
Fabricated metal products	12.6	12.7	12.8	13.0	13.0	13.1	13.0	12.7	12.6	12.4	12.2	12.1	12.0
Machinery, except electrical	9.3	9.5	9.5	9.5	9.4	9.4	9.4	9.3	9.2	9.2	9.3	9.3	9.2
Metalworking machinery	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.1	3.1	3.1	3.1	3.1
Nondurable Goods[c]	32.3	31.9	31.8	31.7	32.1	32.1	32.4	32.7	32.7	32.6	32.6	32.6	32.7
Food and kindred products	2.8	2.7	2.7	2.7	2.7	2.8	2.8	2.9	2.9	2.9	2.9	2.9	3.0
Chemicals and allied products	2.8	2.8	2.8	2.8	2.9	2.9	2.8	2.9	2.9	2.9	2.8	2.8	2.8
Rubber and misc. plastics products	21.3	21.1	21.1	21.0	21.2	21.1	21.3	21.4	21.4	21.3	21.4	21.5	21.5
Tires and inner tubes	14.0	14.4	14.2	14.1	14.2	14.0	14.0	14.0	13.9	13.9	13.9	13.8	13.8
NONMANUFACTURING[d]	193.5	187.6	188.0	189.3	191.7	194.7	191.7	191.6	191.1	197.7	199.2	199.6	200.0
CONSTRUCTION	8.6	7.1	6.9	7.1	8.1	8.7	9.1	9.5	9.6	9.4	9.6	9.2	8.4
TRANSPORTATION AND PUBLIC UTILITIES	12.9	12.7	12.8	12.9	12.7	12.9	12.7	13.0	13.1	13.0	13.0	13.1	13.0
Communication, electric, gas services	5.3	5.3	5.3	5.3	5.3	5.3	5.0	5.3	5.3	5.3	5.2	5.2	5.2
WHOLESALE TRADE	13.5	13.6	13.5	13.4	13.5	13.4	13.4	13.4	13.3	13.3	13.5	13.6	13.7
RETAIL TRADE	50.5	47.8	47.4	48.0	49.3	50.0	50.3	50.7	51.0	51.7	52.4	53.1	53.9
General merchandise stores	6.7	6.8	6.5	6.4	6.4	6.2	6.2	6.5	6.4	6.6	6.8	7.5	7.8
FINANCE, INSURANCE, AND REAL ESTATE	10.2	9.7	9.7	9.7	10.0	10.1	10.2	10.3	10.3	10.3	10.5	10.5	10.5
Banking	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.1	3.2	3.2	3.2	3.2
SERVICES	55.6	53.7	53.7	54.3	54.4	55.6	56.7	57.3	56.9	56.7	56.3	55.7	55.8
Business services	10.5	10.4	10.3	10.3	10.2	10.1	10.2	10.6	10.3	10.5	10.9	10.8	11.1
Amusement and recreation services	3.1	2.3	2.3	2.4	2.7	3.6	4.2	4.2	4.2	3.5	2.8	2.6	2.6
Health services	18.0	17.6	17.6	17.7	17.5	17.4	17.6	18.2	18.3	18.5	18.4	18.3	18.4
GOVERNMENT	41.7	42.1	43.0	43.2	43.1	43.5	38.6	36.8	36.3	42.7	43.3	43.8	44.1
State government	14.1	14.3	15.0	15.2	15.1	15.1	10.9	10.6	10.6	15.2	15.4	15.6	15.7
State government education	11.1	11.4	12.2	12.3	12.2	12.2	7.9	7.5	7.5	12.3	12.6	12.7	12.8
State government, except education	2.9	2.9	2.9	2.9	2.9	2.9	3.1	3.1	3.1	2.9	2.9	2.9	2.9
Local government	25.3	25.5	25.7	25.7	25.7	26.0	25.3	23.8	23.3	25.1	25.5	25.8	25.8
Local government education	13.7	14.1	14.4	14.3	14.1	14.2	13.5	11.7	11.7	13.4	14.1	14.3	14.5
Local government, except education	11.6	11.5	11.3	11.4	11.6	11.8	11.8	12.1	11.6	11.7	11.5	11.4	11.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes.

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AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.30	$11.36	$11.46	$11.30	$11.25	$11.33	$11.33	$11.15	$11.14	$11.28	$11.29	$11.24	$11.40
Durable Goods[b]	11.62	11.75	11.92	11.62	11.56	11.79	11.73	11.50	11.35	11.42	11.56	11.52	11.73
Fabricated metal products	13.83	14.14	14.47	13.65	13.67	14.16	14.03	13.48	13.24	13.48	13.88	13.65	14.01
Machinery, except electrical	10.23	10.01	10.10	10.38	10.31	10.34	10.38	10.32	10.17	10.16	10.16	10.16	10.27
Metalworking machinery	10.27	10.30	10.21	10.25	10.11	10.21	10.18	10.04	10.05	10.07	10.35	10.68	10.67
Nondurable Goods[c]	10.80	10.82	10.77	10.82	10.77	10.61	10.69	10.64	10.83	11.06	10.87	10.81	10.93
Food and kindred products	10.83	10.80	10.79	10.77	10.92	10.85	10.97	10.77	10.67	10.87	10.74	10.77	10.97
Chemicals and allied products	11.56	11.35	11.48	11.31	11.51	11.30	11.37	11.42	11.49	11.91	11.98	11.81	11.66
Rubber and misc. plastics products	11.00	11.06	11.01	11.09	10.99	10.59	10.85	11.00	11.08	11.27	11.12	10.94	11.00
Tires and inner tubes	15.15	14.55	14.77	14.97	15.15	14.79	15.27	15.33	15.34	15.73	15.57	15.27	15.30
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.70	13.42	13.40	13.38	13.54	13.40	13.69	13.86	13.91	13.98	13.93	13.88	13.94
WHOLESALE TRADE	8.75	8.41	8.42	8.40	8.62	8.66	8.91	8.88	8.91	9.02	9.01	8.84	8.89
RETAIL TRADE[d]	6.20	6.28	6.32	6.25	6.28	6.19	6.11	6.13	6.09	6.22	6.21	6.17	6.23

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

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AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	43.1	43.1	42.5	42.8	43.0	43.0	43.1	42.1	43.3	43.3	43.2	43.1	44.2
Durable Goods[b]	43.4	43.1	43.1	43.4	43.4	44.0	44.0	42.6	43.6	43.1	43.3	43.0	44.2
Fabricated metal products	44.1	45.1	45.4	44.4	43.4	44.8	45.3	42.7	45.2	43.1	42.5	42.9	44.5
Machinery, except electrical	45.1	43.5	43.7	44.7	46.2	46.6	45.7	44.4	44.1	44.1	46.5	44.8	46.4
Metalworking machinery	45.7	45.0	44.8	45.0	45.1	47.0	46.2	45.2	44.8	44.5	45.9	47.0	47.6
Nondurable Goods[c]	42.6	43.1	41.6	42.0	42.4	41.6	41.8	41.3	42.9	43.7	43.0	43.2	44.3
Food and kindred products	43.0	40.7	40.6	40.3	44.1	41.7	42.2	43.7	44.0	46.0	43.8	43.5	45.5
Chemicals and allied products	42.1	41.8	41.0	40.2	41.8	40.8	40.0	42.1	40.7	44.3	42.6	43.8	45.2
Rubber and misc. plastics products	43.6	44.5	42.8	43.7	44.0	42.1	43.3	41.9	44.4	44.3	44.1	44.1	44.2
Tires and inner tubes	47.7	50.3	47.0	46.7	48.9	43.4	48.0	46.2	48.4	48.6	47.4	47.9	49.2
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	41.0	40.2	40.1	40.2	41.5	41.0	41.9	41.5	41.3	41.5	41.1	40.9	41.1
WHOLESALE TRADE	37.7	37.6	37.8	37.5	38.2	37.5	37.8	37.6	37.6	38.1	37.1	37.8	37.5
RETAIL TRADE	32.0	31.5	31.1	31.5	31.5	31.6	31.9	32.7	33.1	32.7	32.5	32.2	31.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

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AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$487.03	$489.62	$487.05	$483.64	$483.75	$487.19	$488.32	$469.42	$482.36	$488.42	$487.73	$484.44	$503.88
Durable Goods[b]	504.31	506.43	513.75	504.31	501.70	518.76	516.12	489.90	494.86	492.20	500.55	495.36	518.47
Fabricated metal products	609.90	637.71	656.94	606.06	593.28	634.37	635.56	575.60	598.45	580.99	589.90	585.59	623.45
Machinery, except electrical	461.37	435.44	441.37	463.99	476.32	481.84	474.37	458.21	448.50	448.06	472.44	455.17	476.53
Metalworking machinery	469.34	463.50	457.41	461.25	455.96	479.87	470.32	453.81	450.24	448.12	475.07	501.96	507.89
Nondurable Goods[c]	460.08	466.34	448.03	454.44	456.65	441.38	446.84	439.43	464.61	483.32	467.41	466.99	484.20
Food and kindred products	465.69	439.56	438.07	434.03	481.57	452.45	462.93	470.65	469.48	500.02	470.41	468.50	499.14
Chemicals and allied products	486.68	474.43	470.68	454.66	481.12	461.04	454.80	480.78	467.64	527.61	510.35	517.28	527.03
Rubber and misc. plastics products	479.60	492.17	471.23	484.63	483.56	445.84	469.81	460.90	491.95	499.26	490.39	482.45	486.20
Tires and inner tubes	722.66	731.87	694.19	699.10	740.84	641.89	732.96	708.25	742.46	764.48	738.02	731.43	752.76
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	561.70	539.48	537.34	537.88	561.91	549.40	573.61	575.19	574.48	580.17	572.52	567.69	572.93
WHOLESALE TRADE	329.88	316.22	318.28	315.00	329.28	324.75	-336.80	333.89	335.02	343.66	334.27	334.15	333.38
RETAIL TRADE[d]	198.40	197.82	196.55	196.88	197.82	195.60	194.91	200.45	201.58	203.39	201.83	198.67	198.74

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

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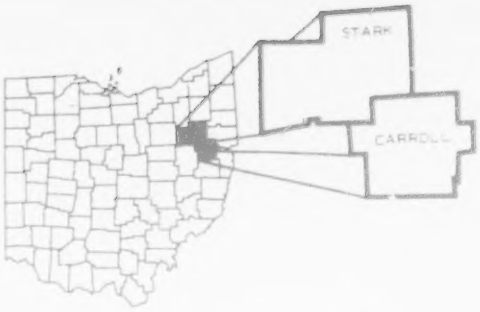
CANTON METROPOLITAN STATISTICAL AREA



In the Canton metropolitan area, the estimated annual average civilian labor force, based on place of residence, decreased 900 over the year, from 190,500 in 1986, to 189,600 in 1987. Total employment gained 2,800, to 174,000; unemployment declined 3,700 over the year, to 15,700. The unemployment rate dropped 1.9 points, from 10.2 percent in 1986 to 8.3 percent in 1987. (See table, page 47, top.)

Total nonfarm employment increased 2.6 percent, from 151,900 in 1986, to 155,900 in 1987. Although nearly all nonmanufacturing industries recorded gains over the year, services, retail trade, and construction were the major growth sectors. Manufacturing employment declined .5 percent. Reductions in fabricated metal products and food and kindred products overshadowed modest improvements in primary metal industries.

Nonagricultural wage and salary employment in the Canton area continued its post-recession expansion, gaining 12,500 since 1983. Although 71.8 percent of the lost jobs have been recovered, the employment level remains 4,900 below that of 1979. Growth in retail trade, services, and construction contributed most to the recovery. The manufacturing employment level in 1987, at 43,500, equaled that of 1983 due to a slowed recovery in primary metal industries and nondurable-goods industries and continued reductions in fabricated metal products. (See table, page 47, bottom.)

CANTON MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)

CANTON MSA CIVILIAN LABOR FORCE AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage And Salary Employment		
	Employment							Manufacturing	
		Unemployment							Nonmfg.
			Unemployment Rate[b]						
			MSA	Ohio	U.S.				
165.6	155.3	10.3	6.2	5.5	5.6	1972	139.8	57.4	82.4
171.2	163.1	8.1	4.7	4.3	4.9	1973	147.9	61.7	86.2
175.6	167.5	8.1	4.6	4.8	5.6	1974	152.1	62.2	89.9
174.7	158.0	16.7	9.6	9.1	8.5	1975	145.0	55.3	89.7
174.4	158.6	15.8	9.1	7.8	7.7	1976	145.9	54.8	91.2
175.9	163.1	12.9	7.3	6.5	7.1	1977	149.8	56.0	93.8
179.9	170.0	9.9	5.5	5.4	6.1	1978	156.1	57.1	99.0
184.3	173.7	10.6	5.7	5.9	5.8	1979	160.8	59.1	101.7
187.7	170.9	16.8	8.9	8.4	7.1	1980	157.1	55.7	101.5
188.4	170.1	18.2	9.7	9.6	7.6	1981	156.6	54.8	101.9
191.4	164.3	27.0	14.1	12.5	9.7	1982	148.6	47.6	101.1
187.0	159.5	27.5	14.7	12.2	9.6	1983	143.4	43.5	99.9
188.1	168.1	19.9	10.6	9.4	7.5	1984	149.1	46.4	102.7
189.5	169.5	20.0	10.6	8.9	7.2	1985	151.5	46.2	105.3
190.5	171.2	19.4	10.2	8.1	7.0	1986	151.9	43.7	108.3
189.6	174.0	15.7	8.3	7.0	6.2	1987	155.9	43.5	112.4

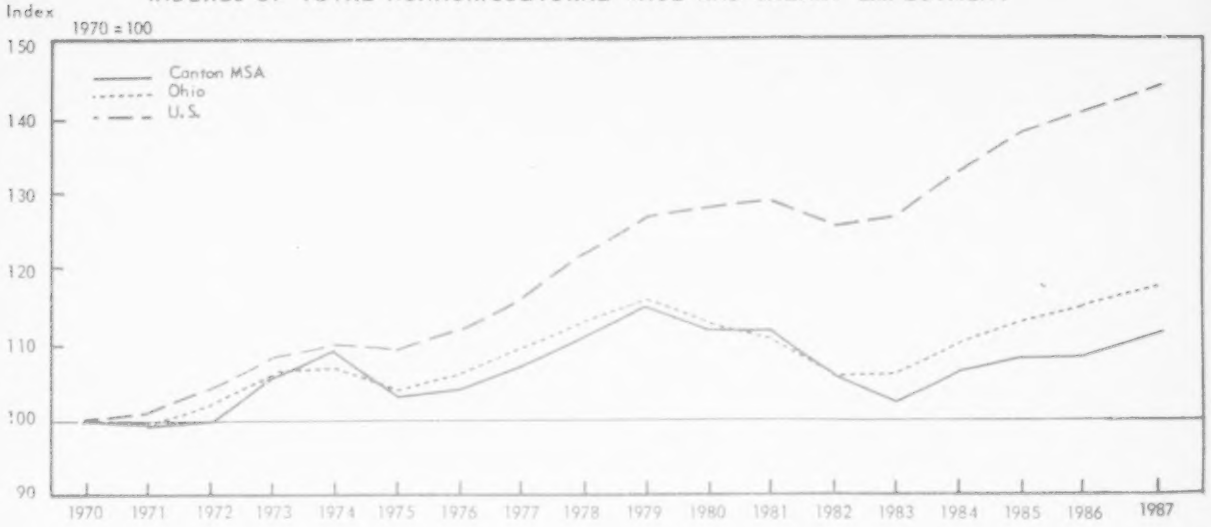
[a]Civilian Labor Force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.
[b]Unemployment as percentage of Civilian Labor Force.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE CANTON METROPOLITAN STATISTICAL AREA ANNUAL AVERAGE DATA FOR 1979, 1983, and 1987

Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1987	1979-1983	1983-1987	MSA	Ohio
TOTAL	160.8	143.4	155.9	-17.4	12.5	71.8	124.0
MANUFACTURING	59.1	43.5	43.5	-15.6	.0	-	9.3
Durable Goods	46.4	33.0	31.9	-13.4	-1.1	-	5.0
Primary Metal Industries	15.6	10.2	10.5	-5.4	.3	5.6	-
Fabricated Metal Products	10.2	7.6	6.5	-2.6	-1.1	-	8.1
Nondurable Goods	12.7	10.6	11.5	-2.1	.9	42.9	27.8
Food and Kindred Products	4.4	3.7	3.5	-.7	-.2	-	-
Rubber and Misc. Plastics Products	3.5	2.5	2.9	-1.0	.4	40.0	42.5
CONSTRUCTION	6.4	4.3	6.1	-2.1	1.8	85.7	88.7
TRANSPORTATION AND PUBLIC UTILITIES	7.6	5.9	5.7	-1.7	-.2	-	25.0
WHOLESALE TRADE	7.2	7.2	8.1	.0	.9	+	254.4
RETAIL TRADE	27.1	26.1	31.2	-1.0	5.1	510.0	435.4
FINANCE, INSURANCE, AND REAL ESTATE	5.9	6.4	6.5	.5	.1	+	+
SERVICES	28.1	30.7	35.3	2.6	4.6	+	+
GOVERNMENT	18.3	18.0	18.5	-.3	.5	166.7	178.8
Local Government	15.1	15.2	15.4	.1	.2	+	73.9

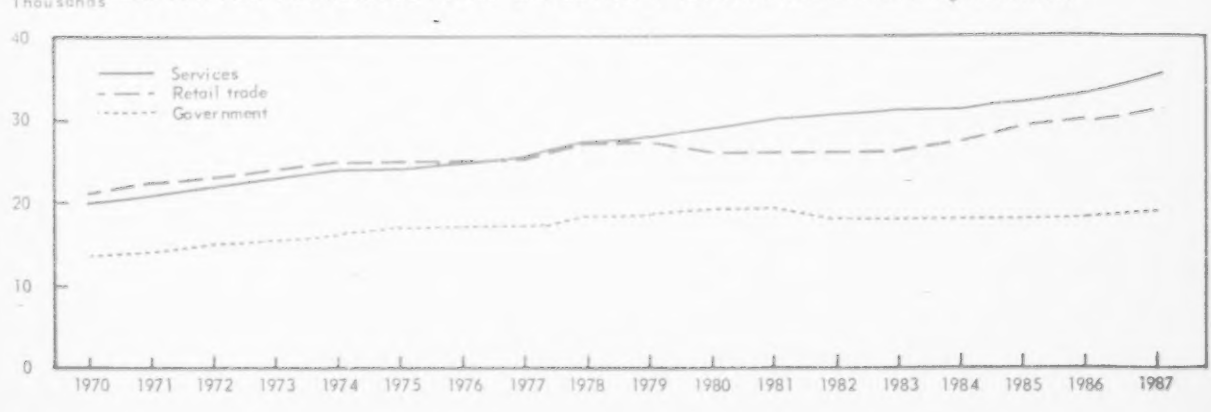
+ No downturn, 1979-1983.
- No upturn, 1983-1987.

INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



CANTON MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)

CANTON MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON MSA, 1987[a]
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	155.9	151.9	151.8	152.8	154.3	156.3	157.3	155.7	157.1	157..1	158.6	158.7	158.9
MANUFACTURING	43.5	43.1	43.3	43.3	43.3	43.5	43.8	42.9	43.5	43.7	43.7	43.8	43.9
Durable Goods[b]	31.9	31.5	31.8	31.9	31.9	31.9	32.2	31.3	32.0	32.1	32.3	32.2	32.2
Primary metal industries	10.5	10.3	10.5	10.5	10.5	10.5	10.6	10.1	10.4	10.4	10.5	10.6	10.6
Fabricated metal products	6.5	6.6	6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5
Metal forgings and stampings	2.2	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2
Nondurable Goods[c]	11.5	11.6	11.5	11.4	11.4	11.5	11.6	11.6	11.5	11.6	11.5	11.5	11.7
Food and kindred products	3.5	3.8	3.7	3.6	3.5	3.6	3.5	3.5	3.5	3.5	3.3	3.3	3.4
Rubber and misc. plastics products	2.9	2.8	2.8	2.8	2.9	2.8	2.9	2.9	2.9	3.0	3.0	3.1	3.1
NONMANUFACTURING[d]	112.4	108.8	108.4	109.5	111.0	112.8	113.5	112.8	113.6	114.0	114.9	114.9	115.0
CONSTRUCTION	6.1	4.9	4.5	4.9	5.3	5.9	6.4	6.8	7.0	7.0	7.2	7.0	6.8
TRANSPORTATION AND PUBLIC UTILITIES	5.7	5.5	5.5	5.6	5.7	5.7	5.7	5.8	5.8	5.7	5.8	5.8	5.7
Communication, electric, gas services	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
WHOLESALE TRADE	8.1	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.2	8.2	8.2	8.2	8.2
Wholesale trade-durable goods	4.5	4.4	4.4	4.4	4.4	4.4	4.5	4.6	4.6	4.6	4.6	4.6	4.5
RETAIL TRADE	31.2	30.5	30.1	30.3	30.5	30.9	31.2	31.2	31.6	31.7	31.7	32.1	32.6
General merchandise stores	4.0	4.1	3.8	3.7	3.7	3.8	3.8	3.7	3.8	3.9	4.1	4.4	4.6
Food stores	5.1	5.1	5.1	5.0	5.0	5.0	5.1	5.0	5.1	5.1	5.1	5.2	5.2
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.4	6.4	6.4	6.5	6.5	6.5	6.6	6.6	6.5	6.5	6.5	6.5
Banking	1.9	1.9	1.9	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
SERVICES	35.3	34.0	34.2	34.6	35.4	35.6	36.0	35.7	35.7	35.7	35.8	35.6	35.4
Health services	14.9	14.5	14.6	14.6	14.9	15.0	15.0	15.1	15.1	15.1	15.2	15.1	15.1
GOVERNMENT	18.5	18.5	18.7	18.8	18.7	19.2	18.7	17.6	17.7	18.2	18.6	18.8	18.9
State government	1.7	1.7	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Local government	15.4	15.3	15.6	15.7	15.5	16.0	15.5	14.5	14.5	15.0	15.5	15.7	15.8
Local government education	9.1	9.3	9.6	9.6	9.5	9.7	9.0	8.1	8.1	8.5	9.0	9.2	9.2
Local government, except education	6.3	6.0	6.0	6.1	6.1	6.4	6.5	6.4	6.4	6.5	6.5	6.5	6.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-2 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	151.9	148.9	149.0	149.0	151.1	152.6	153.3	152.2	152.7	153.5	150.6	155.0	155.5
MANUFACTURING	43.7	44.1	44.4	44.0	44.0	44.2	44.6	44.0	44.2	44.1	39.5	43.3	43.6
Durable Goods[b]	32.0	32.6	33.0	32.8	32.9	33.0	33.1	32.2	32.4	32.3	27.5[e]	31.2	31.5
Primary metal industries	9.9	10.0	10.2	10.3	10.2	10.3	10.1	9.9	10.0	10.1	8.3[e]	9.5	10.0
Fabricated metal products	7.0	6.9	7.0	7.0	7.0	7.1	7.2	7.1	7.0	7.0	6.9	6.8	6.7
Metal forgings and stampings	2.5	2.5	2.6	2.5	2.6	2.6	2.7	2.6	2.5	2.6	2.5	2.4	2.3
Nondurable Goods[c]	11.6	11.5	11.4	11.2	11.1	11.2	11.5	11.8	11.8	11.8	12.0	12.1	12.1
Food and kindred products	3.9	3.8	3.7	3.6	3.5	3.6	3.8	4.1	3.9	4.0	4.2	4.2	4.2
Rubber and misc. plastics products	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.9	2.9	2.8	2.9	2.8	2.8
NONMANUFACTURING[d]	108.3	104.8	104.6	105.0	107.1	108.3	108.7	108.1	108.5	109.4	111.1	111.6	111.9
CONSTRUCTION	5.3	4.3	4.1	4.3	4.8	5.4	5.7	6.0	6.1	6.0	5.9	5.8	5.5
TRANSPORTATION AND PUBLIC UTILITIES	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.7	5.6
Communication, electric, gas services	2.7	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
WHOLESALE TRADE	7.9	7.9	7.8	7.9	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.9	8.0
Wholesale trade-durable goods	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4
RETAIL TRADE	30.2	29.0	28.7	28.8	29.5	30.0	30.2	30.3	30.8	31.0	31.1	31.5	31.9
General merchandise stores	3.8	3.7	3.6	3.5	3.6	3.6	3.6	3.7	3.7	4.0	4.0	4.4	4.6
Food stores	5.0	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.3	5.2	5.2
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.3	6.3	6.3	6.4	6.4	6.5	6.5	6.5	6.5	6.4	6.4	6.5
Banking	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
SERVICES	33.5	32.2	32.3	32.4	33.1	33.3	33.6	33.5	33.5	33.3	34.6	34.7	34.8
Health services	14.3	13.8	13.9	13.9	14.1	14.2	14.3	14.3	14.3	14.4	14.6	14.6	14.6
GOVERNMENT	18.1	18.2	18.5	18.5	18.6	18.5	17.8	17.0	16.9	18.0	18.4	18.6	18.6
State government	1.7	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Local government	15.0	15.1	15.5	15.4	15.4	15.3	14.7	13.9	13.7	14.9	15.3	15.4	15.5
Local government education	9.0	8.9	9.3	9.3	9.3	9.2	8.6	7.9	7.8	8.9	9.4	9.5	9.5
Local government, except education	6.0	6.2	6.1	6.1	6.1	6.1	6.1	6.0	5.9	6.0	5.9	5.9	6.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes.

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AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.34	$11.45	$11.35	$11.36	$11.35	$11.39	$11.36	$11.31	$11.21	$11.30	$11.40	$11.30	$11.29
Durable Goods[b]	11.73	11.87	11.76	11.79	11.82	11.85	11.82	11.76	11.56	11.60	11.71	11.63	11.59
Primary metal industries	13.00	12.78	12.84	12.90	13.09	13.30	13.14	13.34	12.92	13.05	13.10	12.86	12.69
Fabricated metal products	11.15	12.00	11.57	11.54	11.47	11.24	11.22	10.95	11.04	10.85	10.76	10.75	10.44
Metal forgings and stampings	14.73	15.28	14.56	14.93	15.02	14.37	14.57	14.44	14.51	14.60	14.95	14.88	14.58
Nondurable Goods[c]	10.09	10.09	10.02	9.99	9.91	9.96	9.86	9.92	10.09	10.31	10.37	10.22	10.31
Food and kindred products	10.51	10.88	10.56	10.41	10.38	10.37	10.08	10.08	10.36	10.68	10.74	10.72	10.94
Rubber and misc. plastics products	10.35	10.17	10.23	10.17	10.21	10.09	10.14	10.26	10.46	10.68	10.59	10.53	10.63
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.37	13.04	12.99	13.04	13.22	13.22	13.22	13.67	13.52	13.61	13.64	13.64	13.64
WHOLESALE TRADE	9.92	9.86	9.73	9.88	9.81	9.89	9.73	10.18	9.95	9.91	9.98	10.02	10.01
RETAIL TRADE[d]	5.37	5.37	5.38	5.38	5.38	5.35	5.36	5.35	5.30	5.36	5.41	5.38	5.41

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
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AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	41.9	42.2	42.0	42.0	41.5	42.7	42.2	41.6	41.1	41.5	41.8	42.1	42.2
Durable Goods[b]	42.5	42.9	42.8	42.5	41.8	43.2	43.1	42.2	41.6	42.0	42.2	42.5	43.0
Primary metal industries	44.2	45.2	45.4	44.4	43.9	46.5	45.0	43.2	43.4	43.3	43.3	43.4	43.2
Fabricated metal products	41.4	41.9	41.0	41.6	41.2	42.3	42.0	40.8	39.8	40.9	41.3	42.0	42.4
Metal forgings and stampings	41.9	43.4	41.8	42.0	42.0	42.7	43.2	40.1	41.0	41.1	40.9	42.2	42.5
Nondurable Goods[c]	40.2	40.0	39.8	40.5	40.6	40.9	39.6	39.7	39.8	39.9	40.5	40.7	39.9
Food and kindred products	40.7	40.8	41.2	41.6	41.8	43.1	40.5	39.9	40.1	39.4	39.1	40.2	40.9
Rubber and misc. plastics products	41.7	42.1	41.3	41.8	42.0	41.4	41.4	43.1	41.2	43.0	41.1	41.2	40.8
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	41.1	40.5	40.1	40.4	40.9	41.5	41.2	42.1	41.1	41.5	41.0	41.3	41.1
WHOLESALE TRADE	37.6	36.8	36.0	37.1	37.2	37.1	37.0	38.1	37.6	38.3	38.8	38.9	38.4
RETAIL TRADE	28.7	28.1	28.0	28.2	28.8	29.1	28.8	29.4	28.8	28.6	28.7	29.0	29.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

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AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$475.15	$483.19	$476.79	$477.12	$471.03	$486.35	$479.39	$470.50	$460.73	$468.95	$476.52	$475.73	$476.44
Durable Goods[b]	498.53	509.22	503.33	501.08	494.08	511.92	509.44	496.27	480.90	487.20	494.16	494.28	498.37
Primary metal industries	574.60	577.66	582.94	572.76	574.65	618.45	591.30	576.29	560.73	565.07	567.23	558.12	548.21
Fabricated metal products	461.61	502.80	474.37	480.06	472.56	475.45	471.24	446.76	439.39	443.77	444.39	451.50	442.66
Metal forgings and stampings	617.19	663.15	608.61	627.06	630.84	613.60	629.42	579.04	594.91	600.06	611.46	627.94	619.65
Nondurable Goods[c]	405.62	405.60	398.80	406.60	402.35	407.36	390.46	393.82	401.58	411.37	419.99	415.95	411.37
Food and kindred products	427.76	445.90	435.07	433.06	433.88	446.95	408.24	402.19	415.44	420.79	419.93	430.94	447.45
Rubber and misc. plastics products	431.60	428.16	422.50	425.11	428.82	417.73	419.80	442.21	430.99	459.24	435.25	433.84	433.70
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	549.51	528.12	520.90	526.82	540.70	548.63	544.66	575.31	555.67	564.82	559.24	563.33	560.60
WHOLESALE TRADE	372.99	362.85	350.28	366.55	364.93	366.92	360.01	387.86	374.12	379.55	387.22	389.78	384.38
RETAIL TRADE[d]	154.12	150.90	150.64	151.72	154.94	155.69	154.37	157.29	152.64	153.30	155.27	156.02	157.97

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual 1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products, leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
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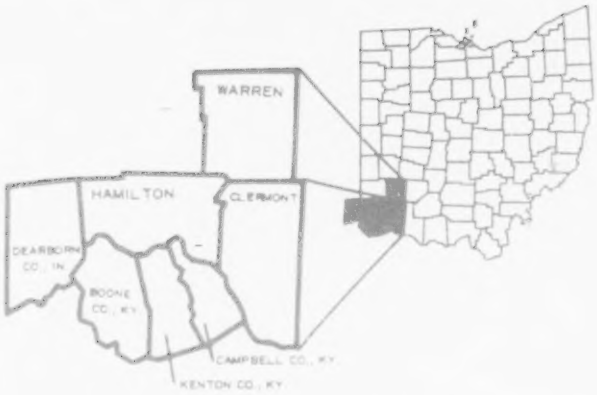
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA

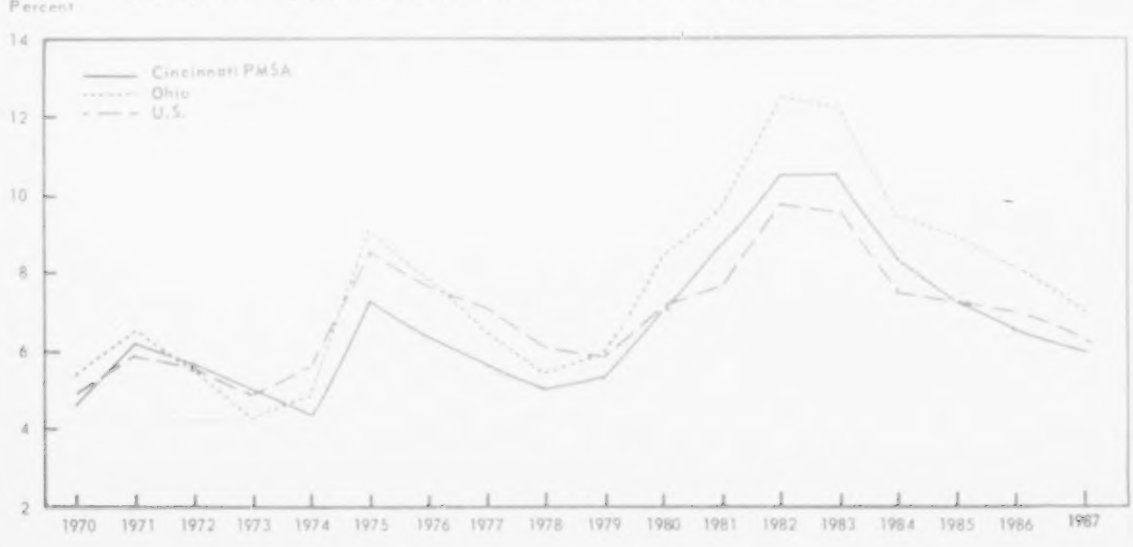


Based on place of residence, the estimated average annual civilian labor force in the Cincinnati metropolitan area advanced 16,900 from 1986, to 744,700 in 1987. Total employment gained 20,000 over the year, while unemployment recorded a decrease of 3,200. The unemployment rate dropped from 6.5 percent in 1986 to 5.9 percent in 1987. (See table, page 55, top.)

Nonagricultural wage and salary employment, at 677,100 in 1987, rose 4.0 percent from the 1986 level. Growth in nonmanufacturing industries totaled 28,600 jobs over the year. Noteworthy improvements were recorded in services, especially business and health services, retail trade, and construction, although all nonmanufacturing sectors increased over the year. Manufacturing lost 2,300 workers during the period. Scattered growth in nondurable-goods industries was overshadowed by reductions in durable goods, especially motor vehicles and equipment (-2,300).

Total nonfarm employment in the Cincinnati area continued its post-recession expansion at an accelerated rate. During the recovery period, 1983-1987, the workforce increased by 101,500. Nonmanufacturing industries contributed 95.1 percent of the gain. Significant growth was noted in services (+39,100) and retail trade (+21,200). Manufacturing recovered 15.3 percent of jobs lost during the recessionary period. Improvements were registeredin both durable- and nondurable-goods industries, especially transportation equipment, printing and publishing, nonelectrical machinery, and chemicals and allied products. Although employment in transportation equipment was sharply reduced during 1987, the industry has contributed significantly to the post-recession recovery. (See table, page 55, bottom.)

CINCINNATI PMSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



CINCINNATI PMSA CIVILIAN LABOR FORCE AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage And Salary Employment		
	Employment							Manufacturing	
		Unemployment							Nonmfg.
			Unemployment Rate[b]						
			PMSA	Ohio	U.S.				
561.0	529.0	32.0	5.7	5.5	5.6	1972	512.0	155.9	356.1
572.0	543.0	29.0	5.1	4.3	4.9	1973	534.6	165.5	369.1
595.3	569.8	25.5	4.3	4.8	5.6	1974	542.2	166.6	375.7
595.3	551.6	43.6	7.3	9.1	8.5	1975	531.2	153.9	377.3
604.8	566.6	38.2	6.3	7.8	7.7	1976	541.9	155.6	386.3
623.4	588.7	34.7	5.6	6.5	7.1	1977	562.1	161.1	401.0
648.3	615.8	32.5	5.0	5.4	6.1	1978	591.2	169.2	421.9
663.4	628.1	35.3	5.3	5.9	5.8	1979	607.4	173.1	434.3
676.2	628.8	47.5	7.0	8.4	7.1	1980	600.7	162.4	438.2
678.5	619.3	59.1	8.7	9.6	7.6	1981	592.2	157.3	434.9
684.3	612.4	71.9	10.5	12.5	9.7	1982	575.3	146.3	429.0
687.6	615.2	72.4	10.5	12.2	9.6	1983	575.6	140.4	435.2
695.9	638.4	57.5	8.3	9.4	7.5	1984	600.8	145.0	455.8
710.6	659.1	51.5	7.2	8.9	7.2	1985	628.1	147.1	481.0
727.8	680.7	47.2	6.5	8.1	7.0	1986	650.8	147.7	503.1
744.7	700.7	44.0	5.9	7.0	6.2	1987	677.1	145.4	531.7

[a]Civilian Labor Force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.
[b]Unemployment as percentage of Civilian Labor Force.

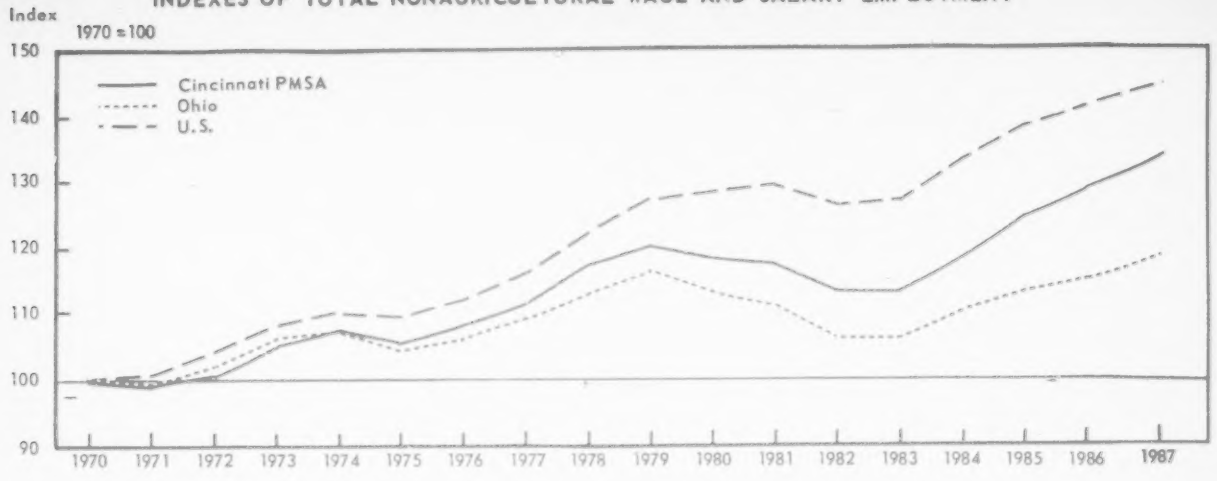
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA

ANNUAL AVERAGE DATA FOR 1979, 1983, and 1987

Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1987	1979-1983	1983-1987	PMSA	Ohio
TOTAL	607.4	575.6	677.1	-31.8	101.5	319.2	124.0
MANUFACTURING	173.1	140.4	145.4	-32.7	5.0	15.3	9.3
Durable Goods	98.7	77.0	78.9	-21.7	1.9	8.8	5.0
Fabricated Metal Products	16.7	11.5	10.3	-5.2	-1.2	-	8.1
Machinery, Except Electrical	26.7	19.4	20.7	-7.3	1.3	17.8	.1
Metalworking Machinery	12.9	9.6	8.3	-3.3	-1.3	-	5.7
Electric and Electronic Equipment	9.4	8.1	7.5	-1.3	-.6	-	-
Transportation Equipment	27.4	24.0	26.8	-3.4	2.8	82.4	47.2
Motor Vehicles and Equipment	12.7	9.2	6.3	-3.5	-2.9	-	20.5
Nondurable Goods	74.5	63.4	66.5	-11.1	3.1	27.9	27.8
Food and Kindred Products	17.9	13.5	13.1	-4.4	-.4	-	-
Printing and Publishing	13.0	11.6	13.3	-1.4	1.7	121.4	154.2
Chemicals and Allied Products	22.5	21.2	22.3	-1.3	1.1	84.6	-
CONSTRUCTION	27.4	20.4	29.6	-7.0	9.2	131.4	88.7
TRANSPORTATION AND PUBLIC UTILITIES	34.2	31.4	35.3	-2.8	3.9	139.3	25.0
Communication, Electric, Gas Services	13.2	14.7	15.0	1.5	.3	+	+ -
WHOLESALE TRADE	37.8	36.5	44.1	-1.3	7.6	584.6	254.4
RETAIL TRADE	102.2	104.7	125.9	2.5	21.2	+	435.4
FINANCE, INSURANCE, AND REAL ESTATE	32.1	32.8	40.3	.7	7.5	+	+
SERVICES	117.4	129.7	168.8	12.3	39.1	+	+
GOVERNMENT	82.8	79.2	87.3	-3.6	8.1	225.0	178.8
Federal Government	13.3	12.4	14.9	-.9	2.5	277.8	315.0
State Government	17.6	17.8	19.8	.2	2.0	+	+
Local Government	51.8	49.0	52.6	-2.8	3.6	125.0	73.9

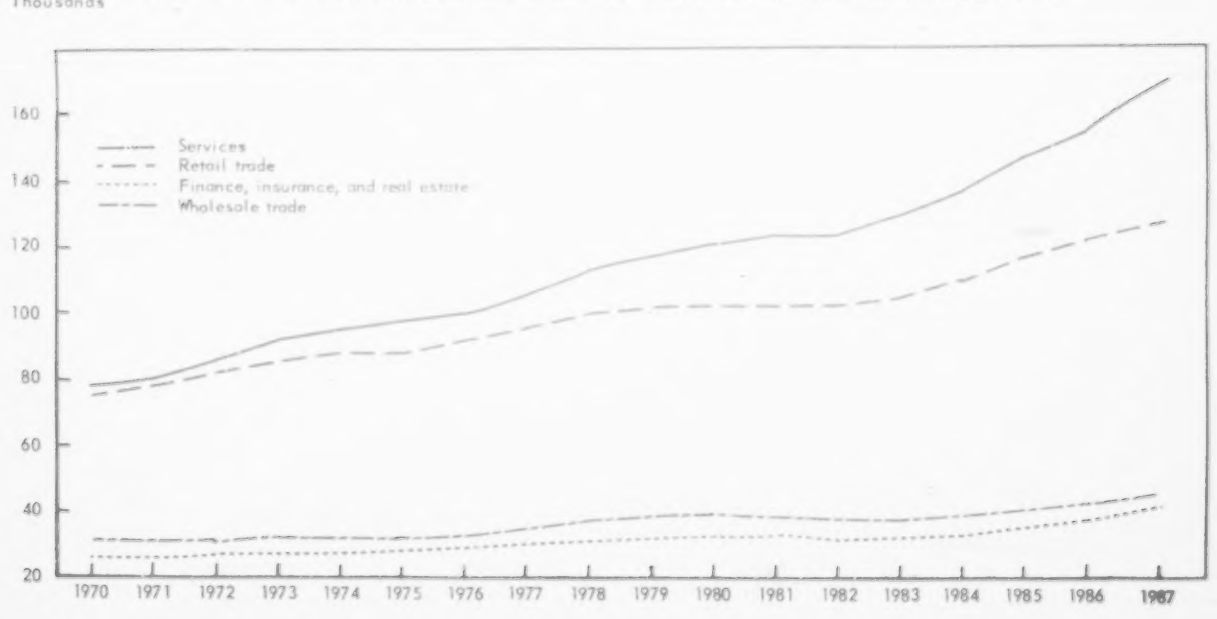
* No downturn, 1979-1983.
\+ No upturn, 1983-1987.

INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



CINCINNATI PMSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)

CINCINNATI PMSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1987[a]
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	677.1	650.1	654.0	656.6	673.1	679.6	680.2	679.4	686.1	689.7	688.8	693.1	694.9
MANUFACTURING	145.4	142.4	145.7	142.2	146.9	147.6	144.7	144.9	148.7	146.3	144.1	145.4	145.6
Durable Goods[b]	78.9	77.9	80.7	77.2	81.1	81.3	78.1	77.9	81.8	78.7	76.8	77.8	77.8
Fabricated metal products	10.3	10.2	10.2	10.3	10.4	10.6	10.2	10.1	10.3	10.3	10.3	10.3	10.3
Fabricated structural metal products	4.1	3.9	3.9	4.0	4.2	4.4	4.0	4.0	4.1	4.2	4.1	4.1	4.1
Machinery, except electrical	20.7	20.8	20.5	20.4	20.6	20.8	21.0	20.7	20.7	20.8	20.6	20.7	20.6
Metalworking machinery	8.3	8.5	8.4	8.3	8.3	8.3	8.4	8.3	8.3	8.2	8.2	8.1	8.0
General industrial machinery	2.9	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0
Electric and electronic equipment	7.5	7.4	7.5	7.1	7.3	7.4	7.5	7.5	7.6	7.6	7.5	7.5	7.5
Transportation equipment	26.8	26.7	29.1	25.8	29.1	29.0	25.8	25.9	29.5	26.0	24.4	25.4	25.4
Motor vehicles and equipment	8.3	5.6	8.5	5.7	8.5	8.5	5.1	5.2	8.8	5.4	3.9	5.2	5.2
Nondurable Goods[c]	66.5	64.5	65.0	65.1	65.8	66.3	66.6	67.0	66.9	67.6	67.3	67.6	67.8
Food and kindred products	13.1	12.6	12.6	12.8	13.0	13.1	13.0	13.3	13.2	13.4	13.2	13.3	13.4
Beverages	3.6	3.7	3.7	3.6	3.6	3.6	3.6	3.7	3.8	3.5	3.4	3.4	3.5
Apparel and other textile products	3.7	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	4.1	4.1
Paper and allied products	6.1	6.0	6.1	6.0	6.0	6.1	6.1	6.0	6.1	6.2	6.1	6.1	6.1
Printing and publishing	13.3	13.1	13.2	13.1	13.3	13.3	13.2	13.3	13.3	13.4	13.3	13.3	13.3
Commercial printing	5.8	5.5	5.7	5.8	5.7	5.8	5.9	5.9	5.9	6.1	5.9	5.8	5.8
Chemicals and allied products	22.3	21.6	21.8	21.8	22.1	22.2	22.5	22.6	22.5	22.5	22.5	22.6	22.6
Rubber and misc. plastics products	5.7	5.8	5.5	5.5	5.3	5.6	5.6	5.6	5.8	5.9	6.0	6.0	6.0
NONMANUFACTURING[d]	531.7	507.6	508.3	514.4	526.2	532.0	535.5	534.4	537.3	543.4	544.7	547.7	549.3
CONSTRUCTION	29.6	25.5	25.1	26.1	27.9	28.9	30.2	31.2	32.2	32.1	32.7	32.3	31.2
TRANSPORTATION AND PUBLIC UTILITIES	35.3	34.2	34.1	34.0	34.8	35.2	35.5	35.5	35.7	36.2	36.2	36.1	36.1
Trucking and warehousing	9.9	9.5	9.5	9.6	9.6	9.9	10.0	10.0	10.2	10.2	10.1	10.1	10.2
Communication, electric, gas services	15.0	15.0	14.9	14.9	14.9	14.9	15.0	15.2	15.1	15.1	15.0	15.0	15.0
WHOLESALE TRADE	44.1	43.3	43.4	43.7	43.6	43.7	44.1	44.2	44.4	44.5	44.8	44.8	45.1
Wholesale trade-durable goods	26.0	25.4	25.4	25.6	25.8	25.8	25.9	26.0	26.1	26.2	26.4	26.3	26.5

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1987[a] (continued)
(In thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	125.9	121.0	119.8	121.5	123.7	125.4	125.9	126.7	127.5	128.0	128.7	130.5	132.0
General merchandise stores	18.0	18.2	17.0	17.4	17.3	17.4	17.6	17.7	17.7	17.9	18.3	19.2	19.9
FINANCE, INSURANCE, AND REAL ESTATE	40.3	39.9	39.8	39.8	39.8	40.0	40.0	40.2	40.3	40.8	40.8	41.1	41.3
Banking	8.7	8.5	8.5	8.5	8.6	8.7	8.7	8.8	8.8	8.8	8.8	8.9	8.9
Insurance carriers	13.8	13.6	13.6	13.7	13.7	13.7	13.9	13.8	13.8	13.9	13.9	14.0	14.1
SERVICES	168.8	167.0	168.5	169.9	166.8	169.1	172.1	173.7	174.5	174.6	172.2	172.8	173.3
Hotels and other lodging places	5.4	5.2	5.8	6.0	6.3	6.3	6.7	6.8	6.9	6.7	6.5	6.5	6.4
Personal services	*	*	*	*	*	*	*	*	*	8.5	8.5	8.5	8.6
Business services	39.6	37.3	37.4	37.9	38.4	38.7	39.9	40.7	41.4	41.8	41.6	41.7	41.8
Amusement and recreation services	8.5	5.5	6.1	6.8	8.3	10.0	11.2	11.8	11.0	10.1	7.2	7.4	8.1
Health services	52.4	50.8	50.8	51.0	51.9	51.9	52.6	53.2	53.4	53.2	53.5	53.5	53.6
Hospitals	25.1	24.4	24.6	24.6	25.0	24.7	25.0	25.0	25.4	25.3	25.5	25.5	25.6
GOVERNMENT	87.3	86.9	87.6	88.6	89.2	89.3	86.8	81.8	81.7	86.7	88.8	89.7	89.8
Federal government	16.2	15.8	15.9	15.8	15.5	15.8	14.7	14.4	14.3	16.8	14.9	14.9	15.5
State government	19.8	19.1	19.0	19.3	19.4	19.4	19.3	19.3	19.4	19.1	20.0	20.2	20.2
State government education	11.4	11.8	12.3	12.5	12.4	12.4	11.7	10.0	10.4	11.2	12.3	12.5	12.5
State government, except education	7.9	7.3	7.8	8.0	7.9	7.9	7.6	8.1	8.1	7.9	7.8	7.7	7.7
Local government	51.3	52.0	52.7	53.6	54.3	54.1	52.8	48.1	48.0	50.9	53.9	54.5	54.1
Local government education	30.0	30.8	31.2	32.0	32.1	32.4	29.6	25.0	25.0	28.0	31.2	31.9	31.8
Local government, except education	22.4	21.3	21.5	21.7	22.1	21.5	22.2	23.1	23.0	22.9	22.7	22.6	22.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Industries may not add to totals because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. *Preliminary revision. **Suppressed due to labor-management dispute.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-3 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	650.8	630.1	629.5	633.2	644.9	649.2	653.2	652.7	653.5	662.8	664.3	667.3	668.8
MANUFACTURING	147.7	148.5	147.8	147.0	147.0	144.3	148.0	148.0	148.0	148.7	148.7	148.5	147.7
Durable Goods[b]	82.0	83.5	82.9	82.2	82.0	79.0	82.0	81.9	82.0	82.2	82.2	82.1	82.0
Fabricated metal products	10.6	10.7	10.8	10.8	10.8	10.7	10.6	10.4	10.6	10.6	10.7	10.5	10.5
Fabricated structural metal products	4.0	3.9	3.9	3.9	3.9	3.9	4.0	3.9	3.9	4.0	4.2	4.1	4.1
Machinery, except electrical	21.3	21.6	21.5	21.4	21.4	21.4	21.4	21.4	21.3	21.1	21.2	21.2	21.1
Metalworking machinery	9.1	9.5	9.4	9.4	9.2	9.1	9.1	9.1	9.0	8.9	8.8	8.8	8.7
General industrial machinery	3.0	3.1	3.0	2.9	3.0	3.0	3.0	3.0	2.9	3.0	3.0	3.0	3.0
Electric and electronic equipment	7.7	7.9	7.9	7.9	7.7	7.6	7.5	7.5	7.5	7.6	7.6	7.6	7.5
Transportation equipment	28.1	28.8	28.4	27.6	27.7	24.9	28.0	28.3	28.5	28.6	28.6	29.0	29.2
Motor vehicles and equipment	8.6	9.8	9.7	8.7	8.7	5.8	8.6	8.6	8.6	8.6	8.4	8.5	8.7
Nondurable Goods[c]	65.7	65.0	64.9	64.8	65.0	65.3	65.9	66.2	66.0	66.5	66.5	66.4	65.6
Food and kindred products	13.0	12.7	12.7	12.7	12.7	12.9	13.2	13.1	13.2	13.3	13.3	13.2	13.1
Beverages	3.9	3.8	3.8	3.8	3.7	3.9	4.0	3.9	4.0	4.0	4.0	3.9	3.9
Apparel and other textile products	3.4	3.5	3.3	3.5	3.5	3.4	3.4	3.4	3.5	3.4	3.5	3.5	3.4
Paper and allied products	6.0	6.0	6.0	6.1	6.0	6.0	6.0	6.1	6.1	6.1	6.0	6.0	5.9
Printing and publishing	13.1	13.0	13.0	12.7	13.0	13.1	13.2	13.1	12.9	13.2	13.4	13.4	12.8
Commercial printing	5.7	5.6	5.6	5.6	5.5	5.6	5.6	5.6	5.7	5.7	5.9	5.9	5.5
Chemicals and allied products	22.0	21.8	21.8	21.9	21.8	21.8	22.0	22.2	22.2	22.2	22.1	22.2	22.3
Rubber and misc. plastics products	5.6	5.5	5.6	5.5	5.4	5.4	5.5	5.6	5.6	5.7	5.8	5.8	5.8
NONMANUFACTURING[d]	503.1	481.7	481.8	486.2	497.9	505.0	505.2	504.7	505.6	514.1	515.5	518.8	521.1
CONSTRUCTION	26.1	22.3	21.6	22.5	24.7	26.0	26.8	27.6	28.2	28.1	28.9	28.9	27.7
TRANSPORTATION AND PUBLIC UTILITIES	33.5	32.9	32.8	33.0	33.4	33.5	31.7	33.6	33.5	34.1	34.4	34.4	34.3
Trucking and warehousing	9.4	8.9	8.8	9.0	9.2	9.2	9.4	9.5	9.5	9.6	9.9	10.0	9.8
Communication, electric, gas services	14.7	14.7	14.7	14.7	14.8	14.8	13.1[e]	15.0	15.0	15.0	14.9	14.9	14.9
WHOLESALE TRADE	42.4	41.8	41.6	41.8	41.8	42.2	42.6	42.4	42.6	42.4	43.0	43.0	43.1
Wholesale trade-durable goods	25.3	25.0	25.0	25.1	25.1	25.2	25.4	25.4	25.4	25.3	25.5	25.5	25.4

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1986[a] (continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September[e]	October	November	December
RETAIL TRADE	122.0	118.5	116.6	117.4	119.8	121.4	122.3	122.8	123.7	123.9	123.9	126.0	127.6
General merchandise stores	18.4	19.0	17.9	18.0	18.1	18.1	18.3	17.9	18.1	18.3	18.2	19.1	20.2
FINANCE, INSURANCE, AND REAL ESTATE	38.2	36.5	36.5	36.6	37.3	38.1	38.4	39.0	39.0	39.1	39.1	39.4	39.7
Banking	8.1	7.9	8.0	8.0	8.0	8.1	8.1	8.2	8.2	8.1	8.4	8.4	8.4
Insurance carriers	12.7	11.9	12.0	12.0	12.3	12.4	12.7	12.7	12.9	12.9	13.2	13.4	13.5
SERVICES	155.9	145.2	146.6	148.4	153.6	156.6	158.6	160.6	161.1	161.4	159.0	159.2	160.2
Hotels and other lodging places	6.1	5.6	5.7	5.8	6.1	6.4	6.6	6.5	6.6	6.4	6.0	5.9	5.9
Personal services	7.8	7.9	7.9	8.0	8.1	7.8	7.8	7.8	7.7	7.7	7.8	7.7	7.8
Business services	36.0	32.1	32.7	33.2	34.7	35.4	35.8	37.3	38.1	38.6	37.8	38.0	38.2
Amusement and recreation services	7.9	5.3	5.2	5.7	7.9	9.3	10.5	10.5	10.4	9.6	6.9	6.7	7.3
Health services	48.9	47.7	47.9	47.9	48.5	48.4	48.6	49.5	49.2	49.2	50.0	50.4	50.3
Hospitals	23.5	23.1	23.2	23.2	23.2	23.2	23.3	23.6	23.3	23.3	23.9	24.2	24.0
GOVERNMENT	84.7	84.2	85.7	86.2	86.6	86.8	84.4	78.4	77.0	84.7	86.8	87.5	88.3
Federal government	14.2	13.8	14.4	14.5	14.7	14.2	14.0	13.8	13.8	14.1	14.0	14.1	14.6
State government	19.2	18.8	19.6	19.7	19.8	19.4	18.9	17.6	17.8	18.9	20.0	20.2	20.0
State government education	11.5	11.3	12.0	12.1	12.1	11.7	11.3	9.8	9.7	11.0	12.2	12.4	12.2
State government, except education	7.8	7.6	7.6	7.6	7.7	7.7	7.7	8.0	8.0	7.9	7.7	7.8	7.8
Local government	51.3	51.5	51.7	52.0	52.1	53.2	51.5	47.0	45.4	51.8	52.9	53.2	53.6
Local government education	29.3	26.9	30.5	30.5	30.4	31.1	29.0	24.2	22.9	29.4	30.7	31.3	31.9
Local government, except education	22.0	21.6	21.2	21.5	21.7	22.1	22.5	22.7	22.6	22.4	22.1	21.9	21.7

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-3 (1986)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$10.95	$10.84	$11.02	$10.88	$10.99	$11.02	$10.90	$10.73	$11.07	$10.97	$10.87	$11.02	$11.12
Durable Goods[b]	10.89	10.85	11.11	10.74	10.94	11.05	10.74	10.42	11.10	10.84	10.75	10.94	11.10
Fabricated metal products	9.68	9.52	9.48	9.58	9.70	9.73	9.61	9.61	9.72	9.72	9.81	9.82	9.89
Fabricated structural metal products	9.83	9.86	9.87	9.84	9.98	10.08	9.65	9.62	9.72	9.72	9.83	9.82	9.98
Machinery, except electrical	9.90	9.80	9.88	9.84	9.75	9.81	9.88	9.84	9.90	9.90	10.01	10.05	10.15
Metalworking machinery	10.84	10.56	10.79	10.63	10.49	10.66	10.94	10.78	10.86	10.86	10.97	11.17	11.42
General industrial machinery	9.50	9.37	9.42	9.45	9.21	9.37	9.32	9.32	9.32	9.72	9.85	9.77	9.77
Electric and electronic equipment	8.76	8.76	8.74	8.46	8.88	8.83	8.68	8.69	8.78	8.85	8.74	8.80	8.83
Transportation equipment	14.82	14.62	14.70	14.49	14.54	14.82	14.67	14.03	15.21	15.04	15.08	15.23	15.32
Motor vehicles and equipment	16.00	15.93	15.49	15.98	15.71	15.85	16.25	15.76	16.00	16.28	16.57	16.41	16.42
Nondurable Goods[c]	11.02	10.84	10.93	11.01	11.03	10.99	11.05	11.03	11.04	11.10	10.98	11.11	11.13
Food and kindred products	11.48	11.10	11.15	11.23	11.32	11.32	11.43	11.39	11.73	11.80	11.55	11.86	11.77
Beverages	12.49	12.40	12.44	12.39	12.34	12.40	12.54	12.52	12.56	12.61	12.53	12.55	12.57
Apparel and other textile products	5.67	5.79	5.72	5.72	5.69	5.63	5.59	5.58	5.68	5.67	5.64	5.66	5.71
Paper and allied products	10.04	9.94	10.18	10.11	10.04	10.06	10.09	10.11	10.06	10.08	9.90	9.92	9.94
Printing and publishing	11.33	11.34	11.60	11.35	11.24	11.09	11.27	11.26	11.41	11.33	11.26	11.31	11.45
Commercial printing	11.48	11.65	11.88	11.55	11.29	11.27	11.44	11.49	11.62	11.52	11.19	11.26	11.61
Chemicals and allied products	12.73	12.37	12.51	12.76	12.78	12.83	12.77	12.76	12.62	12.78	12.72	12.89	12.98
Rubber and misc. plastics products	9.39	9.17	9.17	9.12	9.45	9.61	9.74	9.52	9.34	9.58	9.45	9.21	9.23
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.42	13.19	13.14	13.14	13.31	13.27	13.27	13.54	13.51	13.68	13.66	13.68	13.58
WHOLESALE TRADE	9.53	9.41	9.37	9.50	9.56	9.61	9.58	9.58	9.51	9.65	9.56	9.54	9.53
RETAIL TRADE[d]	5.62	5.62	5.64	5.66	5.64	5.56	5.65	5.57	5.53	5.65	5.62	5.63	5.67

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-3 (1987)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI AREA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.7	42.3	42.4	42.5	41.8	42.3	42.8	42.1	42.7	43.0	43.0	43.3	43.9
Durable Goods[b]	42.8	42.5	42.9	42.9	41.7	42.3	42.9	41.9	42.9	43.3	43.2	43.4	44.4
Fabricated metal products	43.5	42.8	42.4	42.9	42.9	43.8	44.2	44.7	43.7	44.4	43.3	42.9	43.9
Fabricated structural metal products	44.0	41.6	40.2	42.2	43.9	45.4	44.6	46.8	45.0	46.5	43.7	43.5	44.6
Machinery, except electrical	42.1	42.7	42.2	42.2	41.6	41.3	41.6	41.4	41.9	41.8	42.4	42.8	43.5
Metalworking machinery	42.4	42.9	43.2	42.2	42.1	42.4	42.6	40.4	42.5	41.8	41.3	43.0	44.5
General industrial machinery	44.6	43.8	44.1	44.6	44.3	43.7	41.2	43.4	42.8	46.6	46.3	46.8	47.0
Electric and electronic equipment	40.1	39.7	38.4	40.4	40.3	39.8	39.1	38.6	40.0	40.2	40.7	41.0	42.7
Transportation equipment	45.6	46.6	46.7	47.0	43.3	44.4	46.9	42.8	44.3	46.2	46.1	46.6	47.8
Motor vehicles and equipment	45.8	47.9	43.8	49.5	43.7	44.2	51.7	40.4	43.1	47.5	48.1	47.8	49.1
Nondurable Goods[c]	42.5	42.1	41.9	42.1	41.9	42.3	42.7	42.3	42.5	42.8	42.8	43.2	43.5
Food and kindred products	44.3	43.4	44.0	43.9	43.6	43.6	44.8	43.0	45.1	45.7	44.2	45.4	44.9
Beverages	42.6	43.9	43.8	41.6	42.7	43.0	42.5	41.8	42.9	43.9	41.5	41.4	41.7
Apparel and other textile products	38.3	37.7	38.2	38.4	37.9	38.7	37.3	36.7	38.0	37.7	40.1	39.4	39.1
Paper and allied products	42.8	41.2	41.8	42.3	42.1	42.9	43.4	42.9	43.0	43.5	43.9	44.2	42.8
Printing and publishing	40.6	40.6	40.7	39.3	39.5	39.7	40.7	40.4	41.2	41.7	40.7	40.9	42.3
Commercial printing	43.4	44.9	44.8	42.1	42.4	41.7	43.5	44.2	44.5	45.1	41.9	42.3	43.9
Chemicals and allied products	42.6	42.7	41.2	43.0	42.9	42.7	42.5	43.2	42.0	41.6	42.2	43.5	44.0
Rubber and misc. plastics products	45.2	43.9	44.1	44.6	44.2	45.7	47.2	45.9	44.4	46.5	47.0	44.5	44.2
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	40.0	39.7	39.4	39.4	39.9	39.6	39.8	40.9	40.2	40.5	40.4	40.6	40.1
WHOLESALE TRADE	40.7	40.2	40.0	40.5	40.0	40.4	40.7	41.2	41.0	41.0	40.7	41.2	40.9
RETAIL TRADE	29.2	28.4	28.1	28.7	28.8	28.7	29.4	30.0	30.2	29.8	29.5	29.2	29.7

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-3-3 (1987)

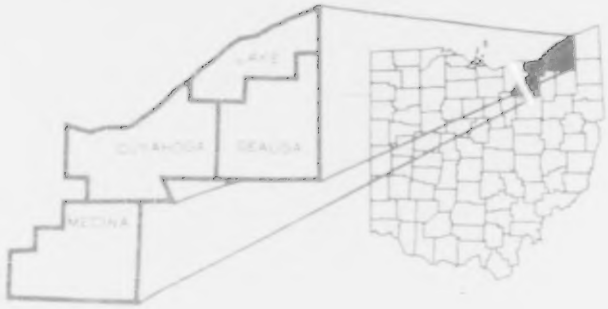
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$467.57	$458.53	$467.25	$462.40	$459.38	$466.15	$466.52	$451.73	$472.69	$471.71	$467.41	$477.17	$488.17
Durable Goods[b]	466.09	461.13	476.62	460.75	456.20	467.42	460.75	436.60	476.19	469.37	464.40	474.80	492.84
Fabricated metal products	421.08	407.46	401.95	410.98	416.13	426.17	424.76	429.57	424.76	431.57	424.77	421.28	434.17
Fabricated structural metal products..	432.52	410.18	396.77	415.25	438.12	457.63	430.39	450.22	437.40	451.98	429.57	427.17	445.11
Machinery, except electrical	416.79	418.46	416.94	415.25	405.60	405.15	411.01	407.38	414.81	413.82	424.42	430.14	441.53
Metalworking machinery	459.62	453.02	466.13	448.59	441.63	451.98	466.04	435.51	461.55	453.95	453.06	480.31	508.19
General industrial machinery	423.70	410.41	415.42	421.47	408.00	409.47	383.98	404.49	398.90	452.95	456.06	457.24	459.19
Electric and electronic equipment	351.28	347.77	335.62	341.78	357.86	351.43	339.39	335.43	351.20	355.77	355.72	360.80	377.04
Transportation equipment	675.79	681.29	686.49	681.03	629.58	658.01	688.02	600.48	673.80	694.85	695.19	709.72	732.30
Motor vehicles and equipment	732.80	763.05	678.46	791.01	686.53	700.57	840.13	636.70	689.60	773.30	797.02	784.40	806.22
Nondurable Goods[c]	468.35	456.36	457.97	463.52	462.16	464.88	471.84	466.57	469.20	475.08	469.94	479.95	484.16
Food and kindred products	508.56	481.74	490.60	493.00	493.55	493.55	512.06	489.77	529.02	539.26	510.51	538.44	528.47
Beverages	532.07	544.36	544.87	515.42	526.92	533.20	532.95	523.34	538.82	553.58	520.00	519.57	524.17
Apparel and other textile products	217.16	218.28	218.50	219.65	215.65	217.88	208.51	204.79	215.84	213.76	226.16	223.00	223.26
Paper and allied products	429.71	409.53	425.52	427.65	422.68	431.57	437.91	433.72	432.58	438.48	434.61	438.46	425.43
Printing and publishing	460.00	460.40	472.12	446.06	443.98	440.27	458.69	454.90	470.09	472.46	458.28	462.58	484.34
Commercial printing	498.23	523.09	532.22	486.26	478.70	469.96	497.64	507.86	517.09	519.55	468.86	476.30	509.68
Chemicals and allied products	542.30	528.20	515.41	548.68	548.26	547.84	542.73	551.23	530.04	531.65	536.78	560.72	571.12
Rubber and misc. plastics products	424.43	402.56	404.40	406.75	417.69	439.18	459.73	436.97	414.70	445.47	444.15	409.85	407.97
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	536.80	523.64	517.72	517.72	531.07	525.49	528.15	553.79	543.10	554.04	551.86	555.41	544.56
WHOLESALE TRADE	387.87	378.28	374.80	384.75	382.40	388.24	389.91	394.70	389.91	395.65	389.09	393.05	389.78
RETAIL TRADE[d]	164.10	159.61	158.48	162.44	162.43	159.57	166.11	167.10	167.01	168.37	165.79	164.40	168.40
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	258.56	261.17	259.47	255.37	258.42	258.32	259.34	255.25	256.92	258.88	260.78	259.95	258.93

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-2-3 (1987)

CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA

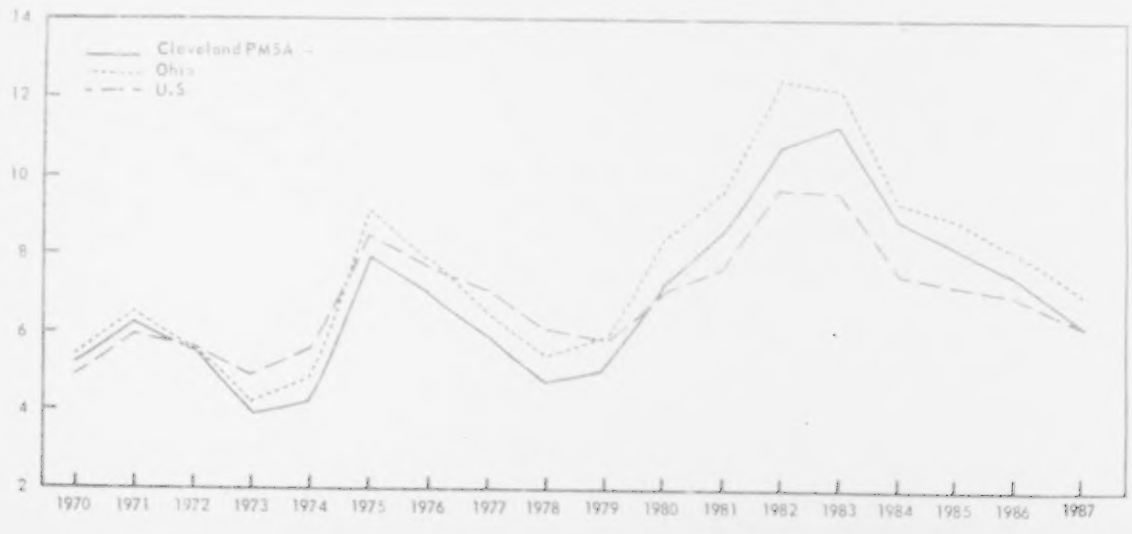


The estimated annual average civilian labor force in the Cleveland metropolitan area, distributed by place of residence, was 926,600 in 1987, 6,200 lower than the 1986 level. Over the year, total employment advanced 6,100, to 868,800, while unemployment decreased 12,300, to 57,800. The unemployment rate declined 1.3 points, from 7.5 percent in 1986 to 6.2 percent in 1987. (See table, page 65, top.)

Nonagricultural wage and salary employment gained 12,400 from the 1986 level, to 891,600 in 1987. Expansion in nonmanufacturing industries created 16,400 jobs. Major growth sectors were services, particularly health and business services, retail trade, and finance, insurance, and real estate. Manufacturing employment was 2.0 percent lower than 1986, a reduction of 4,100 workers. Modest gains in nondurable-goods industries were negated by losses in durable goods. Greatest declines were registered in electric and electronic equipment, nonelectrical machinery, and instruments and related products.

The Cleveland area recovered 68.7 percent of jobs lost during the recessionary period, increasing total nonfarm employment 61,800 since 1983. Growth in services and retail trade contributed 90.9 percent of the gain. Manufacturing employment continued its downward trend at 200,800, down 6,500 from the 1983 level. Although fabricated metal products rose 1,200, significant losses during the 1983-1987 post-recessionary period were recorded in electric and electronic equipment, primary metal industries, nonelectrical machinery, and transportation equipment. (See table, page 65, bottom.)

CLEVELAND PMSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



CLEVELAND PMSA CIVILIAN LABOR FORCE
AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage And Salary Employment		
	Employment							Manufacturing	
		Unemployment							Nonmfg.
			Unemployment Rate[b]						
			PMSA	Ohio	U.S.				
873.2	825.2	48.0	5.5	5.5	5.6	1972	838.1	273.9	564.2
883.9	849.0	34.9	3.9	4.3	4.9	1973	865.2	288.1	577.1
899.1	861.4	37.7	4.2	4.8	5.6	1974	879.2	287.1	592.1
896.9	826.3	70.6	7.9	9.1	8.5	1975	850.6	260.3	590.3
897.7	834.4	63.3	7.0	7.8	7.7	1976	860.0	265.1	594.9
908.5	854.4	54.0	5.9	6.5	7.1	1977	880.9	270.8	610.2
921.7	878.5	43.2	4.7	5.4	6.1	1978	905.8	275.6	630.2
935.8	889.1	46.7	5.0	5.9	5.8	1979	919.8	276.3	643.5
937.1	869.1	68.0	7.3	8.4	7.1	1980	895.7	254.9	640.8
933.9	854.0	79.8	8.5	9.6	7.6	1981	880.7	246.8	633.9
933.4	833.2	100.2	10.7	12.5	9.7	1982	844.6	223.0	621.7
928.7	823.4	105.3	11.3	12.2	9.6	1983	829.8	207.3	622.5
923.6	841.0	82.6	8.9	9.4	7.5	1984	854.5	213.8	640.7
926.0	849.2	76.8	8.3	8.9	7.2	1985	868.7	211.2	657.5
932.8	862.7	70.1	7.5	8.1	7.0	1986	879.2	204.9	674.4
926.6	868.8	57.8	6.2	7.0	6.2	1987	891.6	200.8	690.8

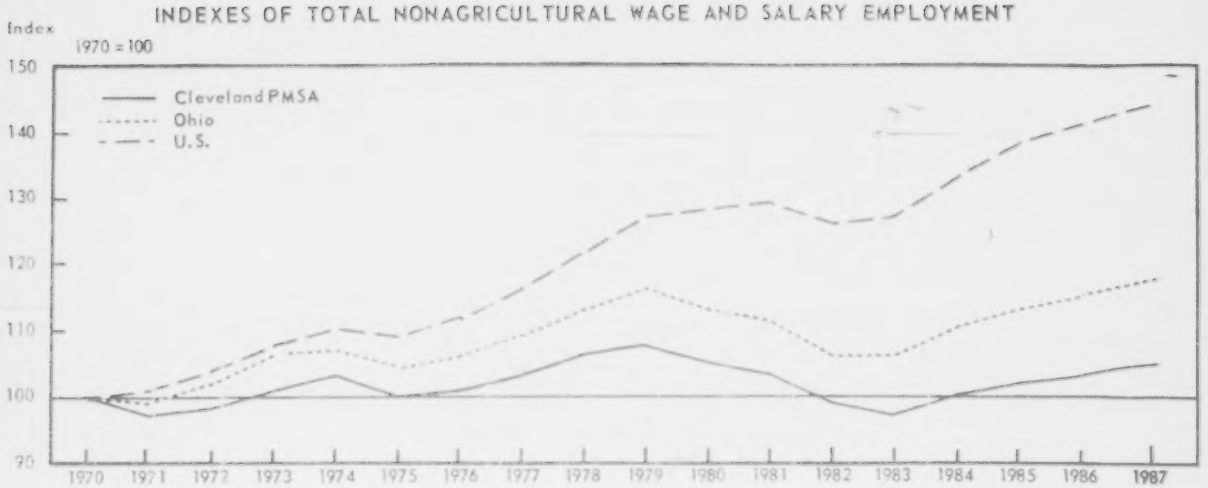
[a]Civilian Labor Force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.
[b]Unemployment as percentage of Civilian Labor Force.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES
IN THE CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA
ANNUAL AVERAGE DATA FOR 1979, 1983, and 1987

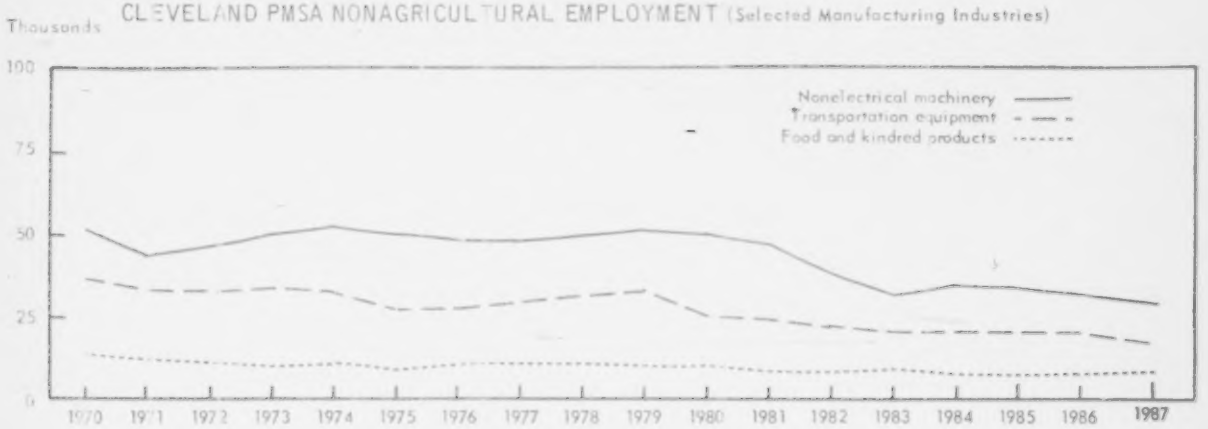
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1987	1979-1983	1983-1987	PMSA	Ohio
TOTAL	919.8	829.8	891.6	-90.0	61.8	68.7	124.0
MANUFACTURING	276.3	207.3	200.8	-69.0	-6.5	-	9.3
Durable Goods	205.1	143.9	136.5	-61.2	-7.4	-	5.0
Primary Metal Industries	31.6	24.1	20.9	-7.5	-3.2	-	-
Fabricated Metal Products	45.5	31.1	32.3	-14.4	1.2	8.3	8.1
Machinery, Except Electrical	50.7	30.9	29.0	-19.8	-1.9	-	.1
Electric and Electronic Equipment	26.5	21.3	17.8	-5.2	-3.5	-	-
Transportation Equipment	31.8	20.3	19.2	-11.5	-1.1	-	47.2
Motor Vehicles and Equipment	24.0	13.9	12.0	-10.1	-1.9	-	20.5
Nondurable Goods	71.2	63.4	64.3	-7.8	.9	11.5	27.8
CONSTRUCTION	33.5	25.3	28.2	-8.2	2.9	35.4	88.7
TRANSPORTATION AND PUBLIC UTILITIES	47.8	40.9	41.2	-6.9	.3	4.3	25.0
Communication, Electric, Gas Services	18.9	19.4	18.0	.5	-1.4	+ -	+ -
WHOLESALE TRADE	65.3	58.9	60.5	-6.4	1.6	25.0	254.4
RETAIL TRADE	146.8	135.9	154.3	-10.9	18.4	168.8	435.4
FINANCE, INSURANCE, AND REAL ESTATE	47.9	48.4	54.4	.5	6.0	+	+
SERVICES	182.5	195.7	233.5	13.2	37.8	+	+
GOVERNMENT	118.2	116.1	117.5	-2.1	1.4	66.7	178.8

+ No downturn, 1979-1983.
- No upturn, 1983-1987.

INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



CLEVELAND PMSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



CLEVELAND PMSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1987[a]
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	891.6	867.1	868.5	871.3	880.1	889.5	899.0	900.7	899.1	900.3	904.5	908.5	910.2
MANUFACTURING	200.8	199.9	199.6	199.3	199.4	199.9	201.1	199.7	200.3	201.4	202.4	203.3	203.3
Durable Goods[b]	136.5	136.8	136.4	136.2	135.9	135.8	136.2	135.1	135.2	136.4	137.1	138.2	138.3
Primary metal industries	20.9	20.7	20.8	20.9	20.9	20.8	21.0	20.7	20.8	20.9	21.0	21.1	21.2
Iron and steel foundries	5.2	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.0	5.1	5.1	5.2	5.3
Fabricated metal products	32.3	31.7	31.5	31.6	32.0	32.2	32.6	32.1	32.5	32.4	32.8	33.1	33.3
Fabricated structural metal products	4.0	3.8	3.6	3.6	3.9	4.0	4.1	4.2	4.2	4.2	4.2	4.3	4.3
Screw machine products, bolts, etc.	4.7	4.6	4.6	4.6	4.7	4.7	4.8	4.7	4.8	4.8	4.8	4.8	4.8
Metal forgings and stampings	11.3	11.1	11.1	11.3	11.3	11.3	11.4	11.0	11.3	11.1	11.4	11.6	11.7
Machinery, except electrical	29.0	29.2	29.1	28.9	28.8	28.7	28.9	28.8	28.8	28.9	29.1	29.2	29.2
Construction and related machinery	2.5	2.5	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6
Metalworking machinery	9.6	9.7	9.7	9.7	9.6	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6
Special industry machinery	2.8	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
General industrial machinery	3.0	3.0	3.0	3.0	3.0	2.9	3.0	2.9	2.9	2.9	3.0	3.0	3.0
Electric and electronic equipment	17.8	18.4	18.2	18.0	17.6	17.5	17.2	17.5	17.4	17.7	17.8	18.0	18.0
Electrical industrial apparatus	6.0	6.1	6.1	6.1	6.0	5.9	6.0	5.9	5.9	6.0	6.1	6.1	6.2
Transportation equipment	19.2	19.5	19.6	19.5	19.2	19.2	19.3	18.8	18.5	19.1	19.1	19.4	19.3
Motor vehicles and equipment	12.0	12.3	12.4	12.4	12.1	11.9	11.9	11.5	11.2	11.9	12.0	12.2	12.2
Instruments and related products	6.6	6.9	6.8	6.9	6.7	6.7	6.6	6.5	6.6	6.6	6.4	6.6	6.5
Measuring and controlling devices	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.2	4.3	4.2
Nondurable Goods[c]	64.3	63.1	63.2	63.1	63.6	64.1	64.9	64.6	65.0	65.1	65.2	65.1	65.0
Food and kindred products	6.9	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	7.1	7.1	7.2
Apparel and other textile products	4.0	4.1	4.1	4.1	4.1	4.1	4.1	3.9	3.9	3.9	3.9	3.8	3.9
Paper and allied products	5.6	5.5	5.5	5.5	5.5	5.5	5.7	5.5	5.5	5.7	5.7	5.7	5.8
Printing and publishing	16.1	15.9	15.9	15.9	15.9	16.0	16.3	16.4	16.5	16.3	16.3	16.3	16.2
Chemicals and allied products	14.6	14.1	14.2	14.3	14.4	14.6	14.9	14.9	15.0	14.9	14.8	14.8	14.8
Rubber and misc. plastics products	12.1	11.8	11.9	11.8	11.9	12.1	12.2	11.9	12.3	12.4	12.4	12.4	12.2

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1987[a] (continued)
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
NONMANUFACTURING[d]	690.8	667.2	669.0	672.1	680.7	689.6	697.9	701.0	698.8	698.8	702.2	705.1	706.9
CONSTRUCTION	28.2	23.7	23.2	24.0	25.8	28.3	29.8	30.9	31.2	31.1	31.4	30.5	28.7
TRANSPORTATION AND PUBLIC UTILITIES	41.2	40.5	40.4	40.6	41.2	41.2	41.4	41.5	41.5	41.5	41.5	41.5	41.6
Trucking and warehousing	11.8	11.1	11.1	11.3	11.7	11.8	12.0	12.1	12.1	12.0	12.1	12.3	12.5
Communication, electric, gas services	18.0	18.6	18.6	18.5	18.1	18.0	17.9	18.0	17.9	17.8	17.7	17.7	17.7
WHOLESALE TRADE	60.5	59.9	60.1	60.1	60.2	60.6	61.1	61.0	60.6	60.6	60.7	60.8	60.9
Wholesale trade-durable goods	41.9	41.6	41.7	41.7	41.8	42.0	42.2	42.1	41.9	41.7	41.9	41.9	42.0
RETAIL TRADE	154.3	149.5	149.0	148.6	150.5	153.6	155.0	155.2	155.6	155.7	156.6	159.2	163.1
General merchandise stores	20.9	21.3	20.6	20.5	20.3	20.2	20.4	20.3	20.1	20.3	21.1	22.4	23.7
FINANCE, INSURANCE, AND REAL ESTATE	54.4	53.0	53.3	53.5	53.5	53.9	54.7	55.2	55.4	55.2	55.0	55.1	55.1
Banking	13.4	13.2	13.2	13.2	13.2	13.2	13.4	13.6	13.7	13.6	13.4	13.4	13.4
Credit agencies other than banks	8.7	8.6	8.5	8.5	8.6	8.6	8.7	8.7	8.8	8.7	8.7	8.7	8.7
Insurance carriers	13.6	13.1	13.2	13.4	13.3	13.5	13.6	13.8	13.8	13.9	13.8	13.8	13.8
SERVICES	233.5	223.9	225.7	227.5	231.1	233.3	236.3	236.0	235.8	238.6	238.8	238.2	237.3
Business services	53.1	50.3	50.4	51.4	52.5	52.5	53.5	54.0	54.1	54.7	54.5	54.4	54.6
Amusement and recreation services	8.1	6.2	6.1	6.2	7.5	8.8	9.8	10.2	10.4	9.8	8.0	7.3	6.9
Health services	74.9	73.6	73.9	74.0	73.8	74.2	74.9	75.5	75.6	75.6	75.8	75.8	75.8
Hospitals	42.4	41.6	41.6	41.7	41.9	42.0	42.4	42.9	43.0	42.9	43.0	42.9	43.1
GOVERNMENT	117.5	115.4	116.2	116.8	117.4	117.6	118.5	120.2	117.7	115.0	117.0	118.8	119.0
Federal government	20.4	20.4	20.3	20.3	20.3	20.3	20.4	20.4	20.3	20.2	20.2	20.5	20.9
State government	8.3	8.4	8.3	8.6	8.8	8.1	8.5	8.2	7.9	7.7	8.2	8.1	8.4
State government education	3.1	3.1	3.3	3.3	3.4	3.0	3.3	2.8	2.4	2.5	3.1	3.1	3.4
State government, except education	5.2	5.3	5.0	5.2	5.4	5.1	5.3	5.3	5.4	5.2	5.0	5.0	5.0
Local government	88.8	86.6	87.6	87.9	88.4	89.2	89.5	91.6	89.5	87.1	88.7	90.2	89.6
Local government education	44.0	43.1	44.4	44.9	43.9	44.3	43.3	42.9	41.2	42.4	45.2	46.6	46.1
Local government, except education	44.8	43.5	43.1	43.0	44.4	44.9	46.2	48.8	48.4	44.7	43.5	43.6	43.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-4 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	879.2	859.3	857.0	860.7	873.6	880.3	889.1	890.5	885.1	885.1	887.8	890.6	891.6
MANUFACTURING	204.9	206.8	205.5	205.6	206.2	206.0	206.8	204.8	202.9	203.5	203.1	203.7	203.2
Durable Goods[b]	140.9	143.1	142.2	142.3	142.6	142.1	142.1	140.5	139.2	139.9	138.7	139.2	138.8
Primary metal industries	21.3	21.6	21.5	21.6	21.5	21.5	21.4	21.2	20.9	20.9	20.9	21.0	21.0
Iron and steel foundries	5.4	5.6	5.7	5.6	5.6	5.6	5.4	5.5	5.3	5.3	5.2	5.3	5.2
Fabricated metal products	32.5	32.7	32.3	32.4	32.6	32.6	32.6	32.4	32.3	32.3	32.5	32.3	32.4
Fabricated structural metal products	3.9	3.8	3.6	3.6	3.6	3.9	4.0	4.0	4.0	4.0	4.1	4.1	4.0
Screw machine products, bolts, etc.	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.7
Metal forgings and stampings	11.1	11.2	11.1	11.2	11.2	11.1	11.1	10.8	10.8	10.9	11.1	11.1	11.3
Machinery, except electrical	30.4	31.4	31.0	31.0	31.0	30.7	30.6	30.3	29.8	29.9	29.7	29.6	29.3
Construction and related machinery	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.5	2.5
Metalworking machinery	10.0	10.4	10.1	10.1	10.1	10.1	10.1	10.0	9.7	9.8	9.8	9.8	9.7
Special industry machinery	3.2	3.5	3.4	3.4	3.3	3.2	3.1	3.2	3.1	3.0	3.1	3.0	3.0
General industrial machinery	3.0	2.9	3.0	2.9	2.9	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.1
Electric and electronic equipment	19.3	20.0	20.1	19.9	19.6	19.4	19.3	19.1	19.1	19.2	18.9	18.9	18.6
Electrical industrial apparatus	6.6	7.0	7.0	7.0	6.8	6.8	6.7	6.6	6.5	6.5	6.2	6.2	6.2
Transportation equipment	19.7	19.9	19.8	19.9	20.0	20.0	20.0	19.6	19.1	19.7	19.0	19.8	20.0
Motor vehicles and equipment	12.4	12.6	12.6	12.6	12.6	12.7	12.7	12.3	11.8	12.4	11.8	12.5	12.6
Instruments and related products	7.6	7.9	7.7	7.7	7.8	7.8	7.8	7.6	7.5	7.4	7.3	7.2	7.1
Measuring and controlling devices	4.2	4.3	4.2	4.2	4.2	4.2	4.3	4.2	4.2	4.2	4.3	4.3	4.2
Nondurable Goods[c]	64.0	63.7	63.4	63.4	63.6	63.9	64.7	64.3	63.7	63.7	64.5	64.5	64.4
Food and kindred products	6.8	6.5	6.5	6.5	6.6	6.7	6.8	7.0	6.9	7.0	7.1	7.2	7.3
Apparel and other textile products	4.4	4.7	4.5	4.5	4.4	4.5	4.4	4.3	4.2	4.3	4.2	4.2	4.2
Paper and allied products	5.4	5.4	5.4	5.4	5.3	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5
Printing and publishing	16.0	16.0	15.9	16.0	16.0	15.9	16.2	16.0	15.5	15.5	16.2	16.4	16.3
Chemicals and allied products	14.5	14.2	14.2	14.1	14.4	14.5	14.8	14.9	14.7	14.5	14.5	14.4	14.5
Rubber and misc. plastics products	11.8	11.8	11.8	11.8	11.7	11.8	12.0	11.7	11.7	11.9	12.0	11.9	11.7

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1986[a] (continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
NONMANUFACTURING[d]	674.4	652.6	651.4	655.1	667.4	674.4	682.3	685.7	682.2	681.6	684.6	686.9	688.4
CONSTRUCTION	26.4	23.0	22.0	22.4	24.4	26.2	27.2	28.7	29.0	29.0	29.1	28.4	26.9
TRANSPORTATION AND PUBLIC UTILITIES	41.4	40.3	40.4	40.7	40.9	41.1	40.9	41.6	41.8	41.8	42.3	42.5	42.7
Trucking and warehousing	11.5	11.0	11.0	11.2	11.1	11.2	11.3	11.5	11.7	11.7	11.8	11.9	12.1
Communication, electric, gas services	18.7	18.7	18.7	18.7	18.6	18.6	18.2	18.8	18.9	18.8	18.8	18.8	18.8
WHOLESALE TRADE	61.9	62.1	61.8	61.8	62.4	62.2	62.4	62.3	61.9	61.5	61.5	61.3	61.1
Wholesale trade-durable goods	43.0	43.6	43.3	43.2	43.7	43.4	43.4	43.2	42.8	42.5	42.6	42.4	42.3
RETAIL TRADE	150.8	147.4	145.3	145.8	148.2	149.9	152.4	152.2	151.5	151.6	152.1	154.5	158.2
General merchandise stores	20.5	21.0	19.8	19.2	19.5	19.8	20.0	19.9	19.8	20.0	20.9	22.4	23.5
FINANCE, INSURANCE, AND REAL ESTATE	51.8	49.8	50.0	50.4	50.9	51.5	52.3	52.6	52.9	52.7	52.8	53.0	53.3
Banking	13.0	12.8	12.8	12.9	12.8	12.9	13.1	13.1	13.1	13.0	13.1	13.1	13.2
Credit agencies other than banks	8.3	8.0	8.0	8.1	8.2	8.3	8.5	8.5	8.6	8.4	8.4	8.4	8.5
Insurance carriers	12.6	11.9	12.1	12.2	12.3	12.5	12.6	12.7	12.9	13.0	13.0	13.1	13.2
SERVICES	224.8	214.2	215.1	216.9	223.7	225.6	227.8	228.6	228.1	230.3	230.0	229.2	228.0
Business services	50.1	47.1	47.3	47.7	49.5	49.5	50.6	51.2	51.3	52.0	51.7	51.7	51.4
Amusement and recreation services	8.2	6.1	6.1	6.7	7.9	9.2	9.8	10.0	10.5	9.9	8.1	7.3	6.9
Health services	71.7	69.0	69.2	69.4	70.7	71.2	71.9	72.7	72.7	73.2	73.4	73.6	73.7
Hospitals	40.5	38.8	38.8	38.9	40.3	40.4	40.7	41.1	41.2	41.5	41.5	41.6	41.7
GOVERNMENT	116.2	114.6	115.7	116.0	115.8	116.7	118.1	118.6	115.9	113.5	115.8	116.8	117.1
Federal government	20.1	20.1	19.9	19.8	20.0	20.0	20.1	20.2	20.2	20.1	20.2	20.3	20.5
State government	8.1	7.9	8.1	8.1	8.5	7.9	8.3	8.0	7.9	7.6	8.2	8.0	8.5
State government education	2.9	3.0	3.1	3.2	3.1	2.9	3.0	2.6	2.4	2.4	3.1	3.0	3.3
State government, except education	5.2	5.0	4.9	5.0	5.3	5.0	5.3	5.4	5.5	5.2	5.1	5.0	5.2
Local government	88.0	86.5	87.6	88.1	87.3	88.8	39.7	90.3	87.8	85.9	87.4	88.5	88.1
Local government education	42.6	42.0	43.3	43.6	42.9	43.7	43.0	40.8	38.8	41.5	43.3	44.3	44.2
Local government, except education	45.4	44.5	44.4	44.6	44.4	45.1	46.7	49.5	49.0	44.4	44.1	44.2	43.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-4 (1986)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.57	$11.69	$11.67	$11.61	$11.59	$11.55	$11.52	$11.40	$11.48	$11.46	$11.59	$11.66	$11.66
Durable Goods[b]	12.17	12.34	12.32	12.25	12.20	12.15	12.10	11.95	12.04	12.01	12.18	12.24	12.24
Primary metal industries	13.35	14.03	13.94	13.82	13.81	13.49	13.36	13.00	13.06	13.17	12.85	12.89	12.72
Iron and steel foundries	16.91	17.18	17.00	16.84	16.96	16.84	16.76	16.06	16.86	17.12	17.04	17.24	16.83
Fabricated metal products	12.07	12.23	12.13	12.13	12.05	12.09	12.03	11.54	11.90	11.85	12.26	12.22	12.38
Fabricated structural metal products	9.60	9.31	9.25	9.38	9.36	9.49	9.63	9.42	9.80	9.92	9.69	10.00	9.82
Screw machine products, bolts, etc.	10.77	10.59	10.68	10.81	10.80	10.78	10.52	10.50	10.56	10.67	10.95	11.05	11.26
Metal forgings and stampings	14.62	14.99	14.75	14.72	14.63	14.66	14.60	13.75	14.23	14.21	14.91	14.77	14.94
Machinery, except electrical	11.37	11.29	11.16	11.39	11.40	11.20	11.35	11.52	11.33	11.05	11.47	11.72	11.53
Construction and related machinery	9.09	9.23	9.02	8.93	8.93	9.05	9.13	8.82	9.03	9.00	9.07	9.27	9.46
Metalworking machinery	10.41	10.26	10.22	10.21	10.32	10.31	10.32	10.35	10.37	10.43	10.65	10.71	10.74
Special industry machinery	12.10	11.91	11.98	11.90	11.90	11.99	11.95	12.03	12.11	12.18	12.42	12.37	12.47
General industrial machinery	11.24	11.14	10.84	11.17	11.21	11.27	11.27	11.14	11.30	11.26	11.33	11.50	11.39
Electric and electronic equipment	10.66	10.59	10.66	10.59	10.58	10.72	10.55	10.73	10.78	10.78	10.67	10.65	10.61
Electrical industrial apparatus	11.36	10.99	11.13	11.03	11.32	11.44	11.43	11.31	11.55	11.49	11.61	11.69	11.30
Transportation equipment	15.10	15.13	15.25	14.96	14.81	14.92	14.82	14.77	14.92	14.99	15.37	15.59	15.54
Motor vehicles and equipment	16.04	15.81	15.98	15.62	15.45	15.70	15.66	15.74	16.02	16.06	16.51	16.86	16.88
Instruments and related products	9.61	9.56	9.59	9.52	9.46	9.56	9.59	9.48	9.55	9.67	9.68	9.78	9.90
Measuring and controlling devices	9.95	9.85	9.92	9.88	9.73	9.88	9.93	9.87	9.89	9.93	10.02	10.15	10.29
Nondurable Goods[c]	10.08	10.03	10.02	10.02	10.05	10.08	10.06	10.08	10.12	10.09	10.12	10.13	10.13
Food and kindred products	8.97	9.30	9.15	9.11	9.13	8.97	8.79	8.75	8.88	9.01	8.80	8.82	8.92
Apparel and other textile products	8.11	8.02	8.07	7.99	7.92	7.97	7.96	8.07	8.07	8.17	8.34	8.44	8.32
Paper and allied products	11.09	10.85	10.92	10.90	10.90	11.12	11.22	11.08	11.13	11.25	11.18	11.26	11.30
Printing and publishing	10.76	10.77	10.79	10.75	10.91	10.69	10.67	10.84	10.89	10.76	10.84	10.72	10.46
Chemicals and allied products	11.69	11.65	11.56	11.53	11.66	11.71	11.55	11.49	11.60	11.75	11.87	11.93	12.00
Rubber and misc. plastics products	8.94	8.80	8.83	8.98	8.84	9.06	9.14	9.07	9.02	8.76	8.89	8.94	8.97
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.97	13.62	13.65	13.67	13.80	13.77	13.94	14.13	14.21	14.27	14.14	14.23	14.18
WHOLESALE TRADE	10.12	9.91	10.00	9.97	10.07	10.08	10.18	10.17	10.05	10.21	10.26	10.30	10.28
RETAIL TRADE[d]	6.46	6.35	6.49	6.42	6.40	6.40	6.49	6.46	6.50	6.60	6.53	6.43	6.47
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	10.58	10.37	10.47	10.30	10.32	10.49	10.54	10.66	10.69	10.76	10.83	10.84	10.83

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-4 (1987)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.9	43.1	42.3	42.9	42.7	42.7	42.9	41.8	42.4	42.5	43.3	43.8	44.0
Durable Goods[b]	43.6	44.0	43.0	43.5	43.3	43.0	43.6	42.2	43.0	43.1	44.2	44.9	45.0
Primary metal industries	45.9	47.2	45.9	45.8	46.3	45.3	45.6	43.9	45.5	45.5	46.1	47.0	46.3
Iron and steel foundries	49.4	52.4	50.4	49.8	51.5	50.1	51.2	42.9	50.3	50.8	47.9	50.0	45.6
Fabricated metal products	43.8	44.8	43.5	44.7	43.9	43.8	44.1	41.1	42.8	42.8	43.8	44.5	46.0
Fabricated structural metal products	41.1	38.9	40.0	41.4	42.9	41.9	42.5	40.2	40.5	40.8	39.7	42.3	41.7
Screw machine products, bolts, etc.	44.8	43.7	42.8	44.5	43.4	44.1	44.7	41.9	44.1	44.0	46.4	48.5	49.3
Metal forgings and stampings	45.9	48.5	46.5	47.4	46.4	46.0	46.8	41.3	44.1	44.0	45.7	45.5	48.5
Machinery, except electrical	42.5	42.8	41.2	42.9	42.2	41.5	42.6	42.8	41.6	41.3	43.4	44.3	43.5
Construction and related machinery	45.0	44.1	41.8	43.3	44.4	46.0	46.1	43.8	44.5	43.3	46.7	47.5	48.8
Metalworking machinery	40.8	41.3	39.9	40.4	39.9	40.2	41.1	40.7	40.7	41.1	41.5	41.8	41.4
Special industry machinery	39.1	40.7	38.5	40.7	39.3	38.2	38.5	37.8	37.6	37.1	40.6	40.2	40.0
General industrial machinery	43.8	44.0	42.0	43.6	43.8	43.5	43.3	44.4	41.8	43.6	44.5	45.7	45.3
Electric and electronic equipment	41.3	41.1	40.6	40.5	40.4	40.7	40.6	40.3	41.4	41.6	42.7	42.6	43.6
Electrical industrial apparatus	42.4	41.7	41.2	40.8	41.5	42.0	42.1	40.8	44.7	44.0	44.5	43.7	42.3
Transportation equipment	45.5	45.6	46.0	44.6	44.2	44.9	45.3	44.0	45.6	45.5	47.1	47.0	46.5
Motor vehicles and equipment	45.5	45.7	46.0	44.2	43.9	45.2	45.0	43.2	45.6	45.6	47.8	47.5	46.6
Instruments and related products	41.5	42.5	41.1	41.5	40.5	40.4	41.7	40.3	40.8	41.8	41.6	41.9	43.5
Measuring and controlling devices	40.8	41.6	39.9	42.3	40.2	39.7	40.8	39.9	39.6	40.7	40.4	40.0	44.1
Nondurable Goods[c]	41.2	40.9	40.6	41.4	41.5	42.1	41.3	40.8	41.0	41.0	41.3	41.4	41.6
Food and kindred products	42.6	42.7	42.5	42.6	43.7	43.1	42.0	43.2	43.0	43.1	41.8	40.8	42.4
Apparel and other textile products	39.0	38.7	39.0	40.3	39.6	39.3	38.6	38.5	38.3	38.2	38.8	38.7	39.8
Paper and allied products	43.0	43.8	42.6	42.1	42.2	45.5	44.9	42.8	41.9	43.9	42.1	42.0	43.1
Printing and publishing	38.7	37.9	37.6	38.9	38.8	38.5	38.2	38.1	39.0	38.7	39.9	40.1	38.7
Chemicals and allied products	42.8	42.2	42.1	42.3	43.5	43.7	42.9	42.7	43.0	42.2	42.9	42.5	43.6
Rubber and misc. plastics products	42.6	42.6	42.0	43.6	43.0	45.0	42.5	41.0	41.8	41.9	42.2	43.0	43.0
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	41.3	40.5	40.2	40.4	41.9	41.3	42.0	42.3	41.8	41.8	41.4	41.4	41.2
WHOLESALE TRADE	39.4	39.5	39.1	38.9	39.0	39.5	39.8	39.9	39.3	39.1	39.5	39.1	39.5
RETAIL TRADE	28.2	27.6	27.3	27.8	28.2	28.2	28.6	29.3	29.2	28.9	28.4	27.1	28.3
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	32.2	32.3	32.3	32.4	32.7	32.5	32.5	32.6	32.4	32.0	31.7	31.5	31.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-3-4 (1987)

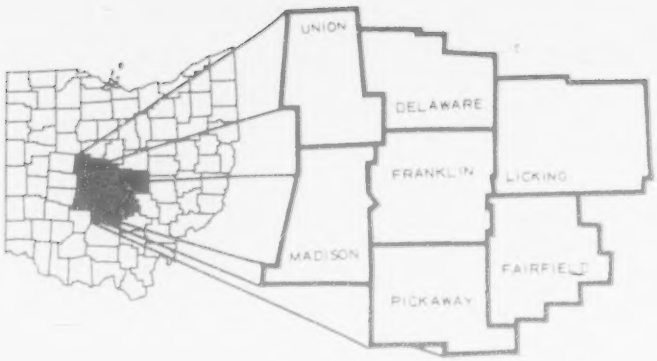
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND PMSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$496.35	$503.84	$493.64	$498.07	$494.89	$493.19	$494.21	$476.52	$486.75	$487.05	$501.85	$510.71	$513.04
Durable Goods[b]	530.61	542.96	529.76	532.88	528.26	522.45	527.56	504.29	517.72	517.63	538.36	549.58	550.80
Primary metal industries	612.77	662.22	639.85	632.96	639.40	611.10	609.22	570.70	594.23	599.24	592.39	605.83	588.94
Iron and steel foundries	835.35	900.23	856.80	838.63	873.44	843.68	858.11	688.97	848.06	869.70	816.22	862.00	767.45
Fabricated metal products	528.67	547.90	527.66	542.21	529.00	529.54	530.52	474.29	509.32	507.18	536.99	543.79	569.48
Fabricated structural metal products	394.56	362.16	370.00	388.33	401.54	397.63	409.28	378.68	396.90	404.74	384.69	423.00	409.49
Screw machine products, bolts, etc.	482.50	462.78	457.10	481.05	468.72	475.40	470.24	439.95	465.70	469.48	508.08	535.93	555.12
Metal forgings and stampings	671.06	727.02	685.88	697.73	678.83	674.36	683.28	567.88	627.54	625.24	681.39	672.04	724.59
Machinery, except electrical	483.23	483.21	459.79	488.63	481.08	464.80	483.51	493.06	471.33	456.37	497.80	519.20	501.56
Construction and related machinery	409.05	407.04	377.04	386.67	396.49	416.30	420.89	366.32	401.84	389.70	423.57	440.33	461.65
Metalworking machinery	424.73	423.74	407.78	412.48	411.77	414.46	424.15	421.25	422.06	428.67	441.98	447.68	444.64
Special industry machinery	473.11	484.74	461.23	484.33	467.67	458.02	460.08	454.73	455.34	451.88	504.25	497.27	498.80
General industrial machinery	492.31	490.16	455.28	487.01	491.00	490.25	487.99	494.62	472.34	490.94	504.19	525.55	515.97
Electric and electronic equipment	440.26	435.25	432.80	428.90	427.43	436.30	428.33	432.42	446.29	448.45	455.61	453.69	462.60
Electrical industrial apparatus	481.66	458.28	458.56	450.02	469.78	480.48	481.20	461.45	516.29	505.56	516.65	510.85	477.99
Transportation equipment	687.05	689.93	701.50	667.22	654.60	669.91	671.35	649.88	680.35	682.05	723.93	732.73	722.61
Motor vehicles and equipment	729.82	722.52	735.08	690.40	678.26	709.64	704.70	679.97	730.51	732.34	789.18	800.85	786.61
Instruments and related products	398.82	406.30	394.15	395.08	383.13	386.22	399.90	382.04	389.64	404.21	402.69	409.78	430.65
Measuring and controlling devices	405.96	409.76	395.81	417.92	391.15	392.24	405.14	393.81	391.64	404.15	404.81	406.00	453.79
Nondurable Goods[c]	415.30	410.23	406.81	414.83	417.08	424.37	415.48	411.26	414.92	413.69	417.96	419.38	421.41
Food and kindred products	382.12	397.11	388.88	388.09	398.98	386.61	369.18	378.00	381.84	388.33	367.84	359.86	378.21
Apparel and other textile products	316.29	310.37	314.73	322.00	313.63	313.22	307.26	310.70	309.08	312.09	323.59	326.63	331.14
Paper and allied products	476.87	466.55	465.19	458.89	459.98	505.96	503.78	474.22	466.35	493.88	470.68	472.92	487.03
Printing and publishing	416.41	408.18	405.70	418.18	423.31	411.57	407.59	413.00	424.71	416.41	432.52	429.87	404.80
Chemicals and allied products	500.33	491.63	486.68	487.72	507.21	511.73	495.50	490.62	498.80	495.85	509.22	507.03	523.20
Rubber and misc. plastics products	380.84	374.88	370.86	391.53	380.12	407.70	388.45	371.87	377.04	367.04	375.16	384.42	385.71
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	576.96	551.61	548.73	552.27	578.22	568.70	585.48	597.70	593.98	596.49	585.40	589.12	584.22
WHOLESALE TRADE	398.73	391.45	391.00	387.83	392.73	398.16	405.16	405.78	394.97	399.21	405.27	402.73	406.06
RETAIL TRADE[d]	182.17	175.26	177.18	178.48	180.48	180.48	185.61	189.28	189.80	190.74	185.45	174.25	183.10
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	295.79	300.30	287.97	292.56	296.43	297.66	296.37	296.83	300.02	289.87	296.79	295.31	299.30
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	340.68	334.95	334.95	333.72	337.46	340.93	342.55	347.52	346.36	344.32	343.31	341.46	341.15

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-4 (1987)

COLUMBUS METROPOLITAN STATISTICAL AREA

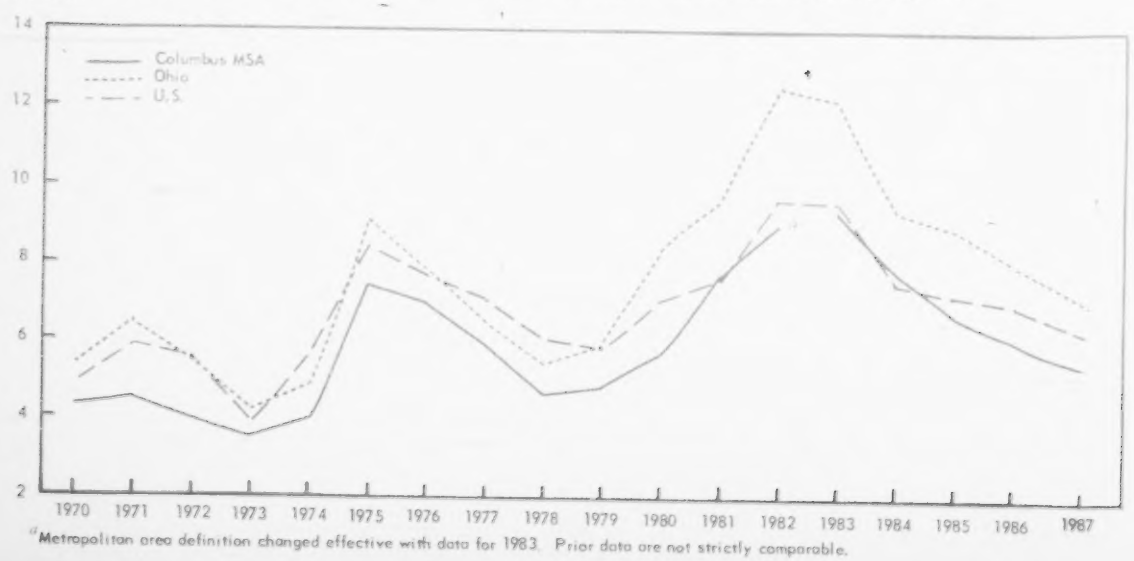


Based on place of residence, the estimated annual average civilian labor force in the Columbus metropolitan area gained 18,200 jobs, from 676,200 in 1986 to 694,400 in 1987. Total employment advanced 22,000 from the 1986 level, to 656,900, while the number of unemployed declined 3,800 over the year, to 37,500. The unemployment rate dropped from 6.1 percent in 1986, to 5.4 percent in 1987. (See table, page 75, top.)

Total nonfarm employment rose 4.3 percent over the 1986 level, to 657,700 in 1987. Nonmanufacturing employment advanced 29,700 over the year. Growth in services and retail trade contributed 57.9 percent of the gain, although increases were recorded in all nonmanufacturing sectors. Manufacturing employment was 2,700 lower than in 1986. Nondurable-goods industries showed modest improvements, but significant reductions were registered in transportation equipment and stone, clay, and glass products.

Nonagricultural wage and salary employment in the Columbus area increased 109,200 since the 1979-1983 recessionary period. Expansion in the nonmanufacturing sector created 104,800 jobs. Major improvements were in services (+35,300) and retail trade (+30,400). Manufacturing recovered 23.0 percent of jobs lost, but remained 14,700 below the 1979 level. Although gains realized in 1986 in electric and electronic equipment and fabricated metal products were negated in 1987, growth in other durable-goods industries and printing and publishing increased manufacturing employment 4,400 during the post-recessionary period. (See table, page 75, bottom.)

COLUMBUS MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



*Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

COLUMBUS MSA CIVILIAN LABOR FORCE AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage And Salary Employment		
	Employment		Unemployment					Manufacturing	
			Unemployment Rate[b]						Nonmfg.
			MSA	Ohio	U.S.				
469.1	450.2	18.9	4.0	5.5	5.6	1972	472.8	115.0	357.9
485.5	468.3	17.1	3.5	4.3	4.9	1973	493.9	120.7	373.2
495.4	475.5	19.9	4.0	4.8	5.6	1974	501.8	119.4	382.4
495.0	458.6	36.5	7.4	9.1	8.5	1975	488.2	106.6	381.5
503.6	468.5	35.1	7.0	7.8	7.7	1976	500.0	108.1	392.0
513.4	483.3	30.1	5.9	6.5	7.1	1977	517.6	113.6	403.9
531.4	506.5	24.9	4.7	5.4	6.1	1978	543.2	117.0	426.2
543.0	517.1	25.8	4.8	5.9	5.8	1979	558.5	117.8	440.6
554.7	523.4	31.4	5.7	8.4	7.1	1980	560.2	112.6	447.7
562.4	519.1	43.3	7.7	9.6	7.6	1981	556.9	109.1	447.8
567.4	516.4	51.0	9.0	12.5	9.7	1982	544.0	101.0	443.0
647.7[c]	587.4[c]	60.3[c]	9.3[c]	12.2	9.6	1983	548.5	98.7	449.7
633.5	584.3	49.2	7.8	9.4	7.5	1984	576.4	104.7	471.6
649.4	605.6	43.8	6.7	8.9	7.2	1985	603.6	106.1	497.5
676.2	634.9	41.3	6.1	8.1	7.0	1986	630.7	105.8	525.0
694.4	656.9	37.5	5.4	7.0	6.2	1987	657.7	103.1	554.7

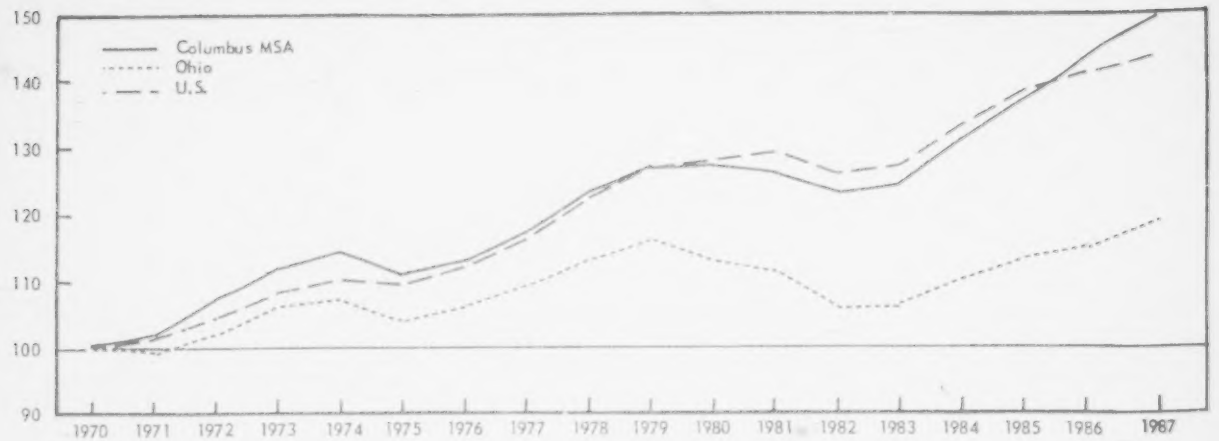
[a]Civilian Labor Force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.
[b]Unemployment as percentage of Civilian Labor Force.
[c]Data not comparable to previous years due to change in metropolitan area definition.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE COLUMBUS METROPOLITAN STATISTICAL AREA ANNUAL AVERAGE DATA FOR 1979, 1983, and 1987

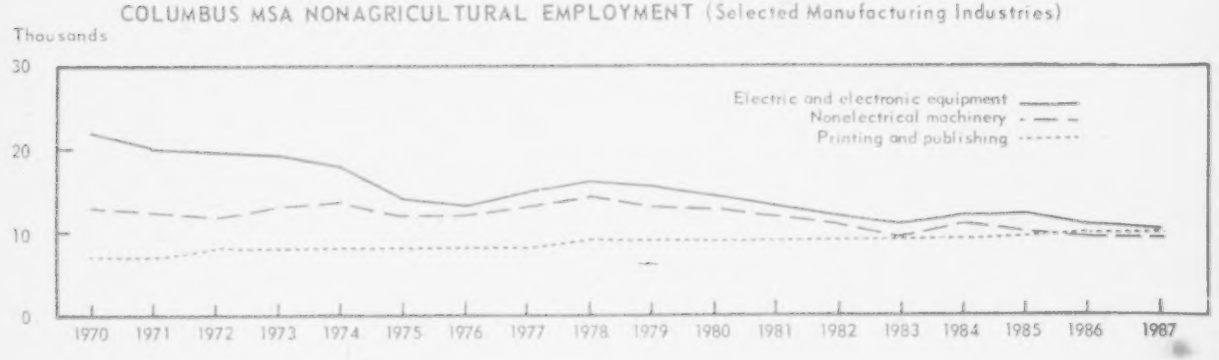
Industry	Employment (in thousands) 1979	1983	1987	Employment Changes 1979-1983	1983-1987	Percent Recovery MSA	Ohio
TOTAL	558.5	548.5	657.7	-10.0	109.2	1092.0	124.0
MANUFACTURING	117.8	98.7	103.1	-19.1	4.4	23.0	9.3
Durable Goods	79.1	63.5	66.0	-15.6	2.5	16.0	5.0
Fabricated Metal Products	13.0	9.9	9.4	-3.1	- .5	-	8.1
Machinery, Except Electrical	13.2	9.5	9.1	-3.7	- .4	-	.1
Electric and Electronic Equipment	15.5	11.1	10.9	-4.4	- .2	-	-
Nondurable Goods	38.7	35.2	37.1	-3.5	1.9	54.3	27.8
Food and Kindred Products	11.0	10.3	10.2	- .7	- .1	-	-
Printing and Publishing	8.9	8.9	10.1	.0	1.2	+	154.2
CONSTRUCTION	23.0	16.8	27.1	-6.2	10.3	166.1	88.7
TRANSPORTATION AND PUBLIC UTILITIES	27.3	24.7	27.9	-2.6	3.2	123.1	25.0
Communication, Electric, Gas Services	11.7	11.7	11.7	.0	.0	+	+ -
WHOLESALE TRADE	28.8	29.0	33.9	.2	4.9	+	254.4
RETAIL TRADE	101.4	102.9	133.3	1.5	30.4	+	435.4
FINANCE, INSURANCE, AND REAL ESTATE	38.3	45.0	57.2	6.7	12.2	+	+
Insurance Carriers	16.9	18.8	22.7	1.9	3.9	+	+
SERVICES	108.7	119.6	154.9	10.9	35.3	+	+
GOVERNMENT	111.9	110.5	119.4	-1.4	8.9	635.7	178.8
Federal Government	14.6	14.3	15.7	- .3	1.4	466.7	315.0
State Government	48.8	48.8	52.7	.0	3.9	+	+
Local Government	48.5	47.4	51.0	-1.1	3.6	327.3	73.9

+ No downturn, 1979-1983.
- No upturn, 1983-1987.

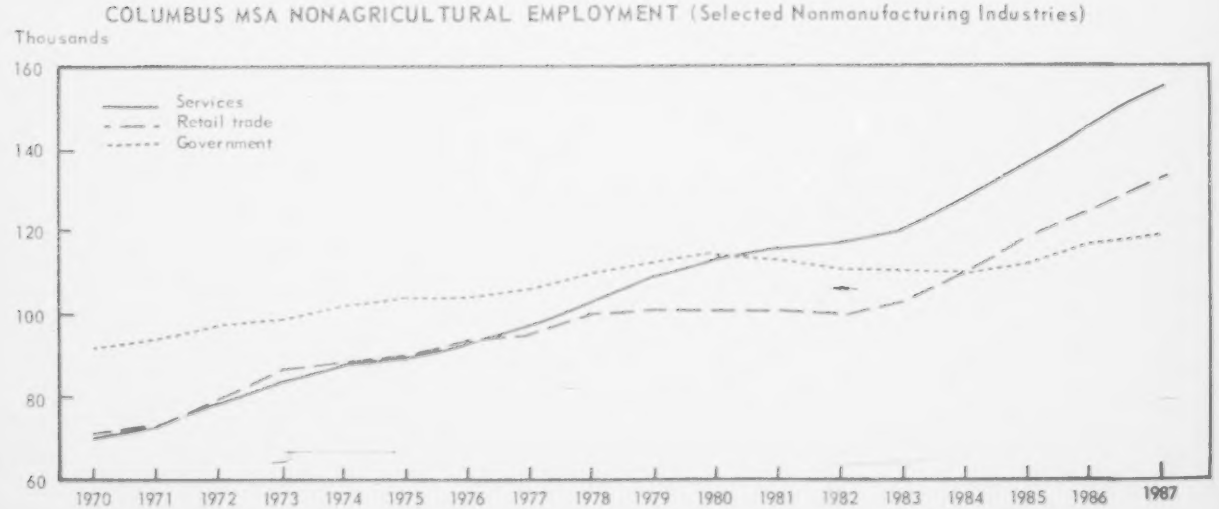
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



COLUMBUS MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



COLUMBUS MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1987[a]
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	657.7	642.1	641.9	647.1	650.6	657.2	660.2	652.9	657.4	662.8	670.3	674.2	676.4
MANUFACTURING	103.1	104.0	103.2	103.4	103.3	103.4	103.2	102.5	102.9	102.8	102.9	102.7	102.3
Durable Goods[b]	66.0	67.6	66.9	66.9	66.9	66.7	66.3	65.2	65.5	65.3	65.1	64.9	64.5
Stone, clay, and glass products	10.5	10.6	10.5	10.6	10.8	10.8	10.7	10.0	10.4	10.4	10.3	10.5	10.3
Glass and glassware, pressed or blown	4.0	4.2	4.2	4.3	4.2	4.2	4.2	3.5	4.0	3.9	3.9	3.9	3.8
Fabricated metal products	9.4	9.4	9.4	9.5	9.4	9.4	9.3	9.2	9.2	9.3	9.4	9.5	9.5
Fabricated structural metal products	2.9	2.7	2.7	2.8	2.8	2.8	2.9	2.9	3.0	2.9	3.0	2.9	2.8
Machinery, except electrical	9.1	9.1	9.1	9.1	9.1	9.1	9.0	9.0	9.1	9.2	9.2	9.2	9.2
Electric and electronic equipment	10.9	11.0	11.0	11.0	10.7	10.9	10.9	10.9	10.8	10.9	10.9	10.9	11.0
Transportation equipment	14.4	16.0	15.4	15.1	15.3	14.9	14.5	14.4	14.2	13.7	13.3	12.8	12.6
Instruments and related products	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.0	4.0	4.1
Nondurable Goods[c]	37.1	36.4	36.3	36.5	36.4	36.7	36.9	37.3	37.4	37.5	37.8	37.7	37.9
Food and kindred products	10.2	9.8	9.7	10.0	9.9	10.1	10.3	10.4	10.5	10.5	10.5	10.4	10.5
Printing and publishing	10.1	10.0	10.0	10.0	10.1	10.1	10.0	10.1	10.2	10.1	10.3	10.4	10.4
Chemicals and allied products	6.8	6.8	6.7	6.7	6.7	6.8	6.8	7.0	6.9	6.8	6.8	6.7	6.7
Rubber and misc. plastics products	5.2	5.2	5.2	5.2	5.1	5.2	5.1	5.1	5.1	5.3	5.4	5.4	5.4
NONMANUFACTURING[d]	554.7	538.1	538.6	543.7	547.2	553.8	557.1	550.4	554.5	559.9	567.3	571.6	574.0
CONSTRUCTION	27.1	23.1	23.0	23.9	25.1	26.8	28.0	29.3	29.7	29.5	29.8	29.2	28.2
TRANSPORTATION AND PUBLIC UTILITIES	27.9	27.3	27.2	27.4	27.3	27.7	27.8	27.9	28.2	28.5	28.5	28.7	28.8
Trucking and warehousing	11.6	11.3	11.3	11.4	11.1	11.3	11.5	11.6	11.8	11.9	11.9	12.1	12.3
Communication, electric, gas services	11.7	11.6	11.6	11.6	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
WHOLESALE TRADE	33.9	32.8	33.0	33.2	33.2	33.8	33.9	34.1	34.2	34.3	34.6	34.7	34.8
Wholesale trade-durable goods	21.9	21.2	21.4	21.4	21.5	21.8	21.9	22.1	22.1	22.2	22.4	22.5	22.5

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1987[a] (continued)
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	133.3	129.1	128.2	129.4	130.3	132.4	132.2	132.3	133.8	135.4	136.3	139.0	141.1
General merchandise stores	21.9	20.8	20.2	20.3	20.9	21.2	20.9	21.2	21.8	22.4	23.3	24.3	25.3
FINANCE, INSURANCE, AND REAL ESTATE	57.2	55.7	56.1	56.2	56.2	56.4	57.1	57.8	58.0	58.0	57.9	58.2	58.3
Banking	11.6	11.4	11.3	11.4	11.4	11.4	11.5	11.7	11.7	11.7	11.8	11.8	11.9
Insurance carriers	22.7	22.3	22.5	22.6	22.4	22.5	22.6	22.8	22.8	22.9	22.9	23.0	23.0
SERVICES	154.9	148.8	150.1	151.9	153.1	154.6	155.2	155.9	156.6	157.9	158.4	158.7	158.3
Business services	35.1	33.9	34.1	34.3	34.0	34.1	34.5	35.1	35.5	35.7	36.3	36.5	36.7
Health services	39.5	38.4	38.6	39.0	39.0	39.1	39.5	40.0	40.0	40.1	40.2	40.4	40.3
Hospitals	17.5	17.0	17.1	17.2	17.3	17.3	17.5	17.8	17.8	17.8	17.8	17.8	17.8
GOVERNMENT	119.4	120.4	120.2	120.9	121.1	121.2	122.0	112.2	113.1	115.4	120.8	122.1	123.5
Federal government	15.7	15.7	15.6	15.6	15.7	15.7	15.8	15.9	15.8	15.6	15.5	15.6	15.7
State government	52.7	53.6	53.4	53.8	53.9	53.9	54.4	48.8	49.1	48.4	53.7	54.3	55.5
State government education[f]	22.2	23.3	23.4	23.5	23.5	23.5	23.8	18.1	17.9	17.7	23.3	23.9	24.9
State government, except education	30.5	30.3	30.0	30.3	30.5	30.4	30.6	30.7	31.1	30.6	30.4	30.4	30.6
Local government	51.0	51.2	51.2	51.5	51.4	51.6	51.8	47.6	48.2	51.4	51.6	52.2	52.4
Local government education	30.3	30.9	30.9	31.2	30.9	31.1	30.7	26.3	27.3	30.4	31.1	31.7	31.6
Local government, except education	20.6	20.3	20.3	20.3	20.5	20.5	21.1	21.2	21.0	20.9	20.5	20.5	20.7

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes. [f]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-5 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	630.7	609.4	610.0	613.9	624.7	630.8	634.4	627.4	631.3	639.7	645.7	649.1	652.3
MANUFACTURING	105.8	106.0	105.9	106.2	106.6	106.3	106.3	106.1	105.5	106.1	104.7	104.9	104.7
Durable Goods[b]	69.4	69.9	69.8	70.1	70.4	70.1	69.9	69.6	68.9	69.5	68.1	68.2	68.0
Stone, clay, and glass products	11.5	11.4	11.5	11.6	11.7	11.8	11.8	12.0	11.6	11.8	11.2	11.0	11.0
Glass and glassware, pressed or blown.	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.3	4.5	4.0[e]	4.3	4.5
Fabricated metal products	10.0	10.6	10.6	10.5	10.5	10.2	9.8	9.6	9.7	9.9	9.8	9.7	9.6
Fabricated structural metal products	2.9	3.0	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.8
Machinery, except electrical	9.4	9.9	9.7	9.7	9.7	9.6	9.5	9.5	9.3	9.1	8.5[e]	9.1	9.0
Electric and electronic equipment	11.3	11.6	11.5	11.6	11.6	11.4	11.4	11.2	11.2	11.2	11.1	11.0	11.0
Transportation equipment	15.8	15.4	15.5	15.7	15.7	15.9	16.0	16.1	15.9	16.2	15.9	15.9	15.8
Instruments and related products	4.1	4.2	4.3	4.2	4.2	4.2	4.1	4.2	4.1	4.1	4.0	4.0	4.1
Nondurable Goods[c]	36.4	36.1	36.1	36.1	36.3	36.3	36.5	36.5	36.5	36.6	36.5	36.7	36.7
Food and kindred products	9.9	9.7	9.7	9.8	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9
Printing and publishing	9.7	9.6	9.5	9.5	9.6	9.6	9.7	9.6	9.8	9.8	9.9	10.1	10.1
Chemicals and allied products	7.0	7.0	7.0	7.0	7.1	6.9	7.0	7.1	7.1	7.0	6.8	6.8	6.7
Rubber and misc. plastics products	5.3	5.4	5.4	5.4	5.3	5.4	5.4	5.3	5.1	5.2	5.3	5.3	5.3
NONMANUFACTURING[d]	525.0	503.3	504.2	507.8	518.0	524.5	528.1	521.3	525.9	533.6	541.0	544.2	547.6
CONSTRUCTION	24.0	20.2	19.9	20.5	22.8	24.0	24.8	25.8	26.4	26.6	26.7	25.9	24.9
TRANSPORTATION AND PUBLIC UTILITIES	26.6	25.4	25.1	25.5	26.5	26.4	26.1	26.9	27.1	27.3	27.4	27.7	28.0
Trucking and warehousing	10.7	10.0	9.8	10.1	10.5	10.4	10.6	10.8	10.9	11.0	11.2	11.4	11.8
Communication, electric, gas services	11.5	11.4	11.4	11.4	11.5	11.5	11.0[e]	11.6	11.7	11.6	11.6	11.6	11.7
WHOLESALE TRADE	32.3	31.4	31.4	31.6	32.0	32.2	32.3	32.6	32.6	32.7	32.7	32.9	33.2
Wholesale trade-durable goods	21.0	20.5	20.5	20.5	20.9	21.0	21.1	21.4	21.3	21.4	21.2	21.3	21.5

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1986[a] (continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	125.1	120.4	119.3	119.6	121.7	123.4	123.9	124.2	126.3	128.1	129.6	131.3	133.7
General merchandise stores	18.3	17.5	16.8	16.6	16.7	16.9	17.0	17.2	18.3	19.3	20.2	20.5	22.0
FINANCE, INSURANCE, AND REAL ESTATE	53.7	51.2	51.6	51.8	52.6	53.1	54.0	54.7	54.8	54.8	55.0	55.2	55.5
Banking	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.3	11.3	11.4	11.2	11.2	11.3
Insurance carriers	21.3	20.5	20.7	20.8	20.9	21.0	21.2	21.4	21.5	21.7	21.7	21.9	22.1
SERVICES	145.9	137.0	138.5	140.0	143.5	146.1	146.8	148.1	148.5	150.1	150.3	150.9	150.8
Business services	32.5	29.3	29.3	29.8	31.2	32.2	32.5	33.2	33.4	33.5	34.8	35.3	35.5
Health services	37.9	37.0	37.2	37.5	37.6	37.8	38.2	38.0	38.1	38.2	38.2	38.3	38.3
Hospitals	16.6	16.2	16.3	16.4	16.4	16.4	16.6	16.7	16.8	16.8	16.8	16.8	16.8
GOVERNMENT	116.4	116.7	117.3	117.8	118.0	118.4	119.3	108.3	109.3	113.2	118.6	119.4	120.5
Federal government	15.6	15.5	15.5	15.6	15.6	15.6	15.7	15.7	15.6	15.6	15.5	15.7	16.0
State government	51.0	51.3	51.5	51.7	52.1	52.1	53.0	46.8	48.0	47.4	52.3	52.6	53.6
State government education[f]	21.6	22.7	22.7	22.8	22.8	22.7	23.0	17.0	17.6	17.8	22.8	23.0	23.8
State government, except education	29.5	28.6	28.8	28.9	29.4	29.4	29.9	29.9	30.4	29.7	29.6	29.6	29.7
Local government	49.7	50.0	50.3	50.5	50.3	50.7	50.7	45.8	45.7	50.2	50.7	51.2	51.0
Local government education	29.2	29.8	30.1	30.3	30.2	30.3	29.6	24.4	24.7	29.5	30.4	30.8	30.7
Local government, except education	20.5	20.2	20.2	20.2	20.2	20.4	21.1	21.3	20.9	20.7	20.4	20.4	20.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes. [f]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-88 RS-790-1-5 (1986)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.41	$11.46	$11.34	$11.45	$11.35	$11.40	$11.40	$11.48	$11.38	$11.46	$11.44	$11.46	$11.35
Durable Goods[b]	11.65	11.71	11.58	11.72	11.59	11.64	11.63	11.74	11.63	11.68	11.69	11.67	11.51
Stone, clay, and glass products	11.62	11.75	11.48	11.60	11.41	11.60	11.66	11.86	11.63	11.77	11.54	11.49	11.70
Glass and glassware, pressed or blown.	10.76	10.89	10.60	10.37	10.51	10.56	10.65	11.17	10.74	11.08	10.89	10.77	11.07
Fabricated metal products	12.24	12.09	12.04	12.23	12.34	12.24	12.22	12.30	12.17	12.21	12.32	12.44	12.31
Fabricated structural metal products..	10.87	10.65	10.66	10.71	11.09	11.06	10.93	11.20	10.72	10.61	10.79	11.05	10.99
Machinery, except electrical	10.71	10.79	10.91	10.93	10.53	10.74	10.82	10.78	10.62	10.68	10.60	10.58	10.57
Electric and electronic equipment	11.23	11.17	11.06	11.07	11.29	11.41	11.37	11.26	11.23	11.31	11.39	11.22	11.02
Transportation equipment	13.46	13.33	13.09	13.43	13.12	13.24	13.21	13.52	13.70	13.71	14.01	13.93	13.43
Instruments and related products	10.32	10.19	10.29	10.37	10.36	10.31	10.40	10.46	10.18	10.30	10.45	10.29	10.25
Nondurable Goods[c]	10.94	10.93	10.83	10.89	10.87	10.93	10.94	10.97	10.89	11.04	10.95	11.04	11.03
Food and kindred products	10.86	10.65	10.71	10.75	10.84	10.90	10.90	11.06	10.88	10.77	10.95	10.92	10.90
Printing and publishing	13.17	13.00	12.88	12.91	12.95	13.09	13.15	13.06	13.22	13.46	13.42	13.44	13.43
Chemicals and allied products	12.77	12.80	12.73	12.77	12.77	12.76	12.64	12.63	12.51	13.06	12.83	12.90	12.88
Rubber and misc. plastics products	8.32	8.38	8.32	8.35	8.28	8.23	8.32	8.28	8.19	8.40	8.34	8.43	8.36
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.78	13.49	13.49	13.51	13.69	13.56	13.76	13.88	14.03	14.02	13.92	13.98	14.06
WHOLESALE TRADE	9.12	9.01	8.93	9.01	9.04	8.99	9.12	9.10	9.13	9.23	9.31	9.32	9.17
RETAIL TRADE[d]	6.10	5.87	5.93	5.99	6.01	6.03	6.13	6.12	6.11	6.14	6.16	6.19	6.46
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	9.62	9.49	9.49	9.50	9.58	9.64	9.60	9.63	9.64	9.60	9.69	9.79	9.79

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-5 (1987)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	41.5	41.2	40.9	41.7	41.1	41.6	41.5	41.3	41.1	41.7	42.3	42.3	41.9
Durable Goods[b]	41.6	41.2	41.0	41.8	41.2	41.7	41.5	41.4	41.1	41.7	42.7	42.4	41.8
Stone, clay, and glass products	40.7	38.7	38.6	41.0	41.3	41.7	40.9	40.9	39.9	42.1	41.4	41.4	40.5
Glass and glassware, pressed or blown.	39.0	38.5	38.8	38.7	39.1	37.7	38.3	39.3	38.4	41.4	39.7	40.2	38.7
Fabricated metal products	41.2	41.2	40.9	40.5	40.3	40.8	41.0	41.0	40.7	41.2	42.4	42.9	42.0
Fabricated structural metal products..	42.3	42.3	41.4	42.0	41.4	42.0	42.5	42.3	40.7	41.2	43.2	44.7	44.0
Machinery, except electrical	42.0	42.5	42.0	42.0	39.9	42.4	43.1	41.9	41.2	42.2	41.3	42.1	43.1
Electric and electronic equipment	40.4	40.4	39.6	39.9	40.8	41.6	40.3	40.0	40.2	40.1	40.8	40.6	40.3
Transportation equipment	44.0	43.4	43.0	45.0	43.1	43.0	42.9	43.5	43.7	43.4	46.8	46.7	43.9
Instruments and related products	41.4	42.0	41.2	41.9	41.6	42.2	41.8	41.9	41.3	42.0	40.5	40.2	40.0
Nondurable Goods[c]	41.4	41.0	40.7	41.3	40.9	41.5	41.5	41.1	41.1	41.7	41.5	42.0	42.1
Food and kindred products	41.7	41.2	40.9	41.1	41.5	42.8	43.1	42.6	42.3	40.9	40.0	41.5	42.0
Printing and publishing	39.4	39.3	37.8	38.4	38.2	38.7	39.2	39.4	39.6	40.9	40.1	40.3	41.4
Chemicals and allied products	41.8	43.1	42.6	42.0	41.2	41.5	40.3	40.2	40.2	42.1	42.4	43.5	43.1
Rubber and misc. plastics products	42.3	40.4	41.9	43.3	43.3	42.8	42.0	41.1	41.2	43.3	43.6	42.8	42.2
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	41.0	40.5	40.2	40.2	41.7	40.7	41.4	41.8	41.1	41.7	40.9	40.6	41.4
WHOLESALE TRADE	38.2	38.4	38.1	38.4	38.1	38.1	38.0	38.5	38.8	38.5	38.3	37.8	37.8
RETAIL TRADE	28.5	28.1	28.0	28.0	28.1	28.9	28.5	28.6	28.4	28.3	28.7	28.4	29.9
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	34.1	33.9	33.8	33.8	33.7	33.7	33.6	34.2	34.4	34.7	34.9	34.3	34.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in normanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-3-5 (1987)

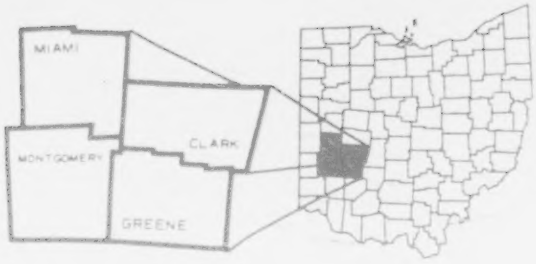
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$473.52	$472.15	$463.81	$477.47	$466.49	$474.24	$473.10	$474.12	$467.72	$477.88	$483.91	$484.76	$475.57
Durable Goods[b]	484.64	482.45	474.78	489.90	477.51	485.39	482.65	486.04	477.99	487.06	499.16	494.81	481.12
Stone, clay, and glass products	472.93	454.73	443.13	475.60	471.23	483.72	476.89	485.07	464.04	495.52	477.76	475.69	473.85
Glass and glassware, pressed or blown.	419.64	419.27	411.28	401.32	410.94	398.11	407.90	438.98	412.42	458.71	432.33	432.95	428.41
Fabricated metal products	504.29	498.11	492.44	495.32	497.30	499.39	501.02	504.30	495.32	503.05	522.37	533.68	517.02
Fabricated structural metal products..	459.80	450.50	441.32	449.82	459.13	464.52	464.53	473.76	436.30	437.13	466.13	493.94	483.56
Machinery, except electrical	449.82	458.58	458.22	459.06	420.15	455.38	466.34	451.68	437.54	450.70	437.78	445.42	455.57
Electric and electronic equipment	453.69	451.27	437.98	441.69	460.63	474.66	458.21	450.40	451.45	453.53	464.71	455.53	444.11
Transportation equipment	592.24	578.52	562.87	604.35	565.47	569.32	566.71	588.12	598.69	595.01	655.67	650.53	589.58
Instruments and related products	427.25	427.98	423.95	434.50	430.98	435.08	434.72	438.27	420.43	432.60	423.23	413.66	410.00
Nondurable Goods[c]	452.92	448.13	440.78	449.76	444.58	453.60	454.01	450.87	447.58	460.37	454.43	463.68	464.36
Food and kindred products	452.86	438.78	438.04	441.83	449.86	466.52	469.79	471.16	460.22	440.49	438.00	453.18	457.80
Printing and publishing	518.90	510.90	486.86	495.74	494.69	506.58	515.48	514.56	523.51	550.51	538.14	541.63	556.00
Chemicals and allied products	533.79	551.68	542.30	536.34	526.12	529.54	509.39	507.73	502.90	549.83	543.99	561.15	555.13
Rubber and misc. plastics products	351.94	338.55	348.61	361.56	358.52	352.24	349.44	340.31	337.43	363.72	363.62	360.80	352.79
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	564.98	546.35	542.30	543.10	570.87	551.89	569.66	580.18	576.63	584.63	569.33	567.59	582.08
WHOLESALE TRADE	348.38	345.98	340.23	345.98	344.42	342.52	346.56	350.35	354.24	355.36	356.57	352.30	346.63
RETAIL TRADE[d]	173.85	164.95	166.04	167.72	168.88	174.27	174.71	175.03	173.52	173.76	176.79	175.80	193.15
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	258.34	249.72	258.31	255.09	254.74	269.91	258.76	259.28	266.70	257.19	261.84	254.93	253.60
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	328.04	321.71	320.76	321.10	322.85	324.87	322.56	329.35	331.62	333.12	338.18	335.80	337.76

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in normanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-2-5 (1987)

DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA

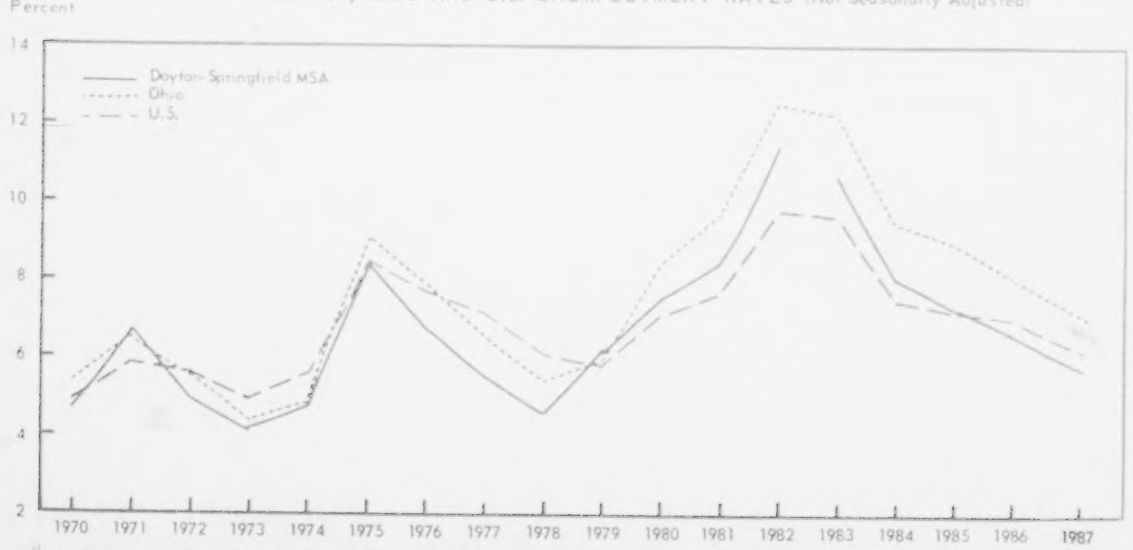


In the Dayton-Springfield metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, increased 1,400 from 1986, to 461,900 in 1987. Total employment gained 5,700 over the year, to 435,800; unemployment was 4,200 lower, at 26,100 in 1987. The unemployment rate fell from 6.6 percent in 1986, to 5.7 percent in 1987. (See table, page 85, top.)

Total nonfarm employment rose 2.0 percent over the year, to 427,900. Growth was concentrated in nonmanufacturing industries, increasing 10,500 over the 1986 level. The majority of the improvement was in services, retail trade, and construction. Losses in durable- and nondurable-goods industries lowered manufacturing employment 1,900. Significant reductions were noted in nonelectrical machinery and transportation equipment.

Since the 1979-1983 recessionary period, Dayton-Springfield nonagricultural wage and salary employment recovered 152.3 percent of jobs lost, a gain of 55,600. Expansion in the nonmanufacturing sector contributed most, especially services (+19,600), retail trade (+15,200), and construction (+5,800). Manufacturing recovered 30.7 percent, but remained 18,700 below the 1979 level. The major portion of the growth during the post-recessionary period was in transportation equipment, electric and electronic equipment, and printing and publishing. (See table, page 85, bottom.)

DAYTON-SPRINGFIELD MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

DAYTON-SPRINGFIELD MSA CIVILIAN LABOR FORCE AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage And Salary Employment		
	Employment							Manufacturing	
		Unemployment							Nonmfg.
			Unemployment Rate[b]						
			MSA	Ohio	U.S.				
353.5	336.2	17.3	4.9	5.5	5.6	1972	366.8	129.8	237.0
358.0	343.5	14.5	4.1	4.3	4.9	1973	378.3	133.7	244.6
359.5	342.5	17.0	4.7	4.8	5.6	1974	376.6	128.1	248.5
357.6	327.7	29.9	8.4	9.1	8.5	1975	360.1	112.5	247.5
360.5	336.3	24.2	6.7	7.8	7.7	1976	370.7	116.3	254.4
368.6	348.3	20.3	5.5	6.5	7.1	1977	383.8	121.8	262.0
381.1	363.7	17.3	4.6	5.4	6.1	1978	401.1	125.0	276.2
392.2	367.9	24.2	6.2	5.9	5.8	1979	408.8	122.5	286.3
390.2	361.0	29.2	7.5	8.4	7.1	1980	397.1	110.9	286.2
390.8	357.9	32.8	8.4	9.6	7.6	1981	393.2	109.9	283.3
391.8	347.1	44.7	11.4	12.5	9.7	1982	374.3	97.3	277.0
438.5[c]	391.9[c]	46.6[c]	10.6[c]	12.2	9.6	1983	372.3	95.5	276.8
440.1	404.8	35.2	8.0	9.4	7.5	1984	392.7	103.7	289.0
450.4	418.1	32.4	7.2	8.9	7.2	1985	408.9	106.3	302.5
460.5	430.1	30.3	6.6	8.1	7.0	1986	419.4	105.7	313.7
461.9	435.8	26.1	5.7	7.0	6.2	1987	427.9	103.8	324.2

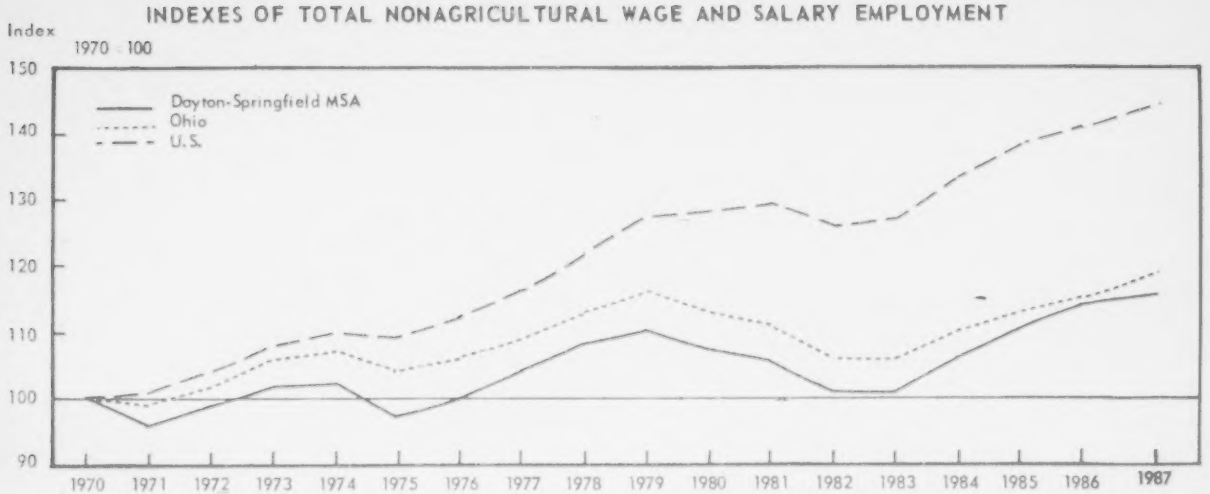
[a]Civilian Labor Force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.
[b]Unemployment as percentage of Civilian Labor Force.
[c]Data not comparable to previous years due to change in metropolitan area definition.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA
ANNUAL AVERAGE DATA FOR 1979,,1983, and 1987

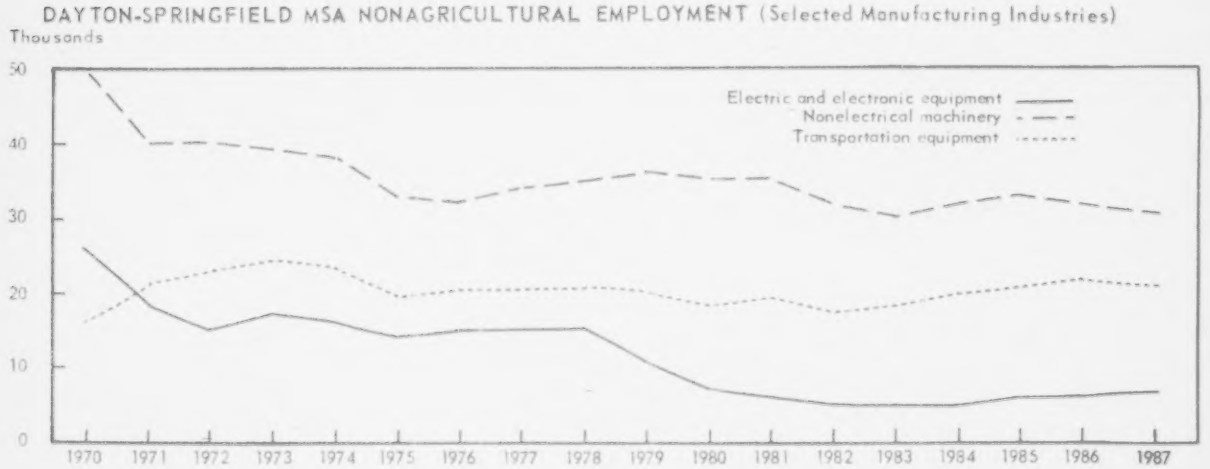
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1987	1979-1983	1983-1987	MSA	Ohio
TOTAL	408.8	372.3	427.9	-36.5	55.6	152.3	124.0
MANUFACTURING	122.5	95.5	103.8	-27.0	8.3	30.7	9.3
Durable Goods	86.2	68.7	74.8	-17.5	6.1	34.9	5.0
Machinery, Except Electrical	35.9	30.0	30.4	-5.9	.4	6.8	.1
Electric and Electronic Equipment	10.5	5.0	5.9	-5.5	.9	16.4	-
Electrical Industrial Apparatus	4.7	2.9	3.5	-1.8	.6	33.3	-
Transportation Equipment	20.1	17.7	20.9	-2.4	3.2	133.3	47.2
Nondurable Goods	36.3	26.8	28.9	-9.5	2.1	22.1	27.8
Printing and Publishing	10.2	7.7	8.5	-2.5	.8	32.0	154.2
Rubber and Misc. Plastics Products	12.2	7.7	8.1	-4.5	.4	8.9	42.5
CONSTRUCTION	15.8	10.6	16.4	-5.2	5.8	111.5	88.7
TRANSPORTATION AND PUBLIC UTILITIES	16.3	13.9	15.4	-2.4	1.5	62.5	25.0
WHOLESALE TRADE	16.6	17.5	18.5	.9	1.0	+	254.4
RETAIL TRADE	68.4	63.1	78.3	-5.3	15.2	286.8	435.4
FINANCE, INSURANCE, AND REAL ESTATE	15.6	15.8	17.8	.2	2.0	+	+
SERVICES	79.5	84.7	104.3	5.2	19.6	+	+
GOVERNMENT	73.6	70.8	73.0	-2.8	2.2	78.6	178.8

+ No downturn, 1979-1983.
- No upturn, 1983-1987.

INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



DAYTON-SPRINGFIELD MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



DAYTON-SPRINGFIELD MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1987[a]
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	427.9	419.2	419.5	421.9	426.5	429.3	428.7	423.8	426.3	433.1	434.2	436.6	435.9
MANUFACTURING	103.8	103.9	103.0	103.3	103.9	104.0	104.2	103.6	104.2	104.7	103.6	103.6	103.2
Durable Goods[b]	74.8	75.1	74.4	74.7	75.0	75.2	75.4	74.8	75.0	75.5	74.5	74.5	74.0
Fabricated metal products	8.4	8.5	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.3
Machinery, except electrical	30.4	30.9	30.3	30.2	30.2	30.5	30.7	30.4	30.4	30.6	30.2	30.3	30.3
Metalworking machinery	6.6	6.8	6.7	6.6	6.6	6.6	6.5	6.4	6.5	6.6	6.5	6.6	6.6
General industrial machinery	2.6	2.6	2.3	2.3	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7
Electric and electronic equipment	5.9	5.8	5.8	5.9	6.0	5.9	5.9	5.9	6.1	6.0	5.9	5.8	5.7
Electrical industrial apparatus	3.5	3.4	3.5	3.6	3.6	3.6	3.6	3.6	3.7	3.5	3.4	3.4	3.4
Transportation equipment	20.9	21.1	21.0	21.1	21.2	21.1	21.1	20.9	20.7	21.1	20.7	20.7	20.4
Nondurable Goods[c]	28.9	28.7	28.6	28.6	28.9	28.9	28.8	28.8	29.2	29.2	29.1	29.1	29.2
Food and kindred products	2.8	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.8	2.8
Paper and allied products	5.9	5.6	5.7	5.6	5.8	5.8	5.9	5.9	6.0	6.1	6.1	6.0	6.0
Printing and publishing	8.5	8.5	8.4	8.5	8.6	8.4	8.4	8.5	8.5	8.5	8.5	8.7	8.7
Rubber and misc. plastics products	8.1	8.2	8.2	8.0	8.1	8.1	8.0	8.0	8.1	8.0	8.0	8.0	8.0
NONMANUFACTURING[d]	324.2	315.3	316.5	318.6	322.6	325.3	324.5	320.2	322.2	328.4	330.7	333.0	332.7
CONSTRUCTION	16.4	14.0	13.6	14.1	15.1	16.1	17.0	17.7	18.0	17.9	18.1	17.7	17.0
TRANSPORTATION AND PUBLIC UTILITIES	15.4	15.0	15.1	15.2	15.2	15.4	15.6	15.6	15.7	15.7	15.6	15.6	15.4
Communication, electric, gas services	5.5	5.7	5.7	5.7	5.5	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.4
WHOLESALE TRADE	18.5	18.2	18.1	18.2	18.5	18.6	18.7	18.5	18.7	18.7	18.8	18.8	18.9
Wholesale trade-durable goods	12.3	12.0	12.0	12.0	12.2	12.3	12.4	12.3	12.3	12.4	12.5	12.4	12.5
RETAIL TRADE	78.3	76.0	75.2	75.7	76.8	78.3	78.6	78.3	78.8	79.0	79.5	80.8	82.4
General merchandise stores	12.1	12.2	11.8	11.6	11.7	11.9	11.8	11.7	11.9	12.0	12.4	13.0	13.9

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1987[a] (continued)
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	17.8	17.3	17.4	17.5	17.6	17.9	18.2	18.2	18.3	18.1	17.9	17.9	17.8
Banking	4.3	4.4	4.3	4.4	4.2	4.2	4.3	4.3	4.4	4.4	4.3	4.3	4.2
Credit agencies other than banks	4.7	4.5	4.5	4.5	4.7	4.7	4.7	4.7	4.8	4.7	4.7	4.8	4.7
Insurance carriers	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.8
SERVICES	104.3	100.5	102.0	102.3	103.8	103.1	104.3	103.9	104.6	106.5	107.0	107.3	106.3
Business services	25.5	24.1	24.5	24.3	24.7	25.2	25.7	26.1	26.1	26.3	26.5	26.6	26.4
Health services	35.8	35.1	35.2	35.2	35.5	35.5	35.7	36.0	36.2	36.3	36.3	36.0	36.2
Hospitals	18.6	18.4	18.5	18.5	18.5	18.6	18.6	18.8	18.8	18.8	18.8	18.5	18.6
Educational services	7.3	7.7	8.3	8.4	8.2	6.6	6.2	5.3	5.1	7.6	8.3	8.7	7.9
GOVERNMENT	73.0	74.0	74.8	75.1	75.2	75.5	71.8	67.4	67.7	72.1	73.3	74.5	74.5
Federal government	28.1	27.6	27.6	27.7	27.7	27.7	28.0	28.4	28.4	28.5	28.6	28.6	28.5
State government	7.0	6.9	7.1	7.2	7.4	7.4	7.5	6.5	6.4	6.4	6.4	7.3	7.3
State government education	4.1	4.1	4.4	4.4	4.5	4.5	4.5	3.5	3.4	3.4	3.5	4.4	4.5
State government, except education	2.9	2.8	2.8	2.8	2.8	2.8	2.9	3.0	3.0	2.9	2.9	2.9	2.9
Local government	37.9	39.5	40.0	40.2	40.1	40.4	36.3	32.5	32.8	37.2	38.3	38.7	38.7
Local government education	23.2	25.1	25.7	25.7	25.5	25.6	21.1	17.2	17.7	22.4	23.6	24.1	24.2
Local government, except education	14.7	14.3	14.3	14.5	14.6	14.8	15.2	15.3	15.2	14.8	14.7	14.5	14.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	419.4	409.9	410.1	413.0	418.2	421.1	420.1	416.5	418.9	424.5	426.4	427.1	427.1
MANUFACTURING	105.7	105.3	105.1	105.5	105.3	106.2	106.6	106.1	106.4	106.6	105.9	105.1	105.0
Durable Goods[b]	76.5	75.8	75.7	76.1	76.0	76.9	77.2	77.0	77.2	77.2	76.6	76.1	75.9
Fabricated metal products	8.4	8.3	8.2	8.2	8.2	8.3	8.5	8.5	8.6	8.5	8.4	8.4	8.4
Machinery, except electrical	31.7	32.1	32.0	32.0	31.7	31.9	32.0	31.7	31.7	31.7	31.4	31.1	31.2
Metalworking machinery	7.0	7.1	7.0	7.1	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.9	6.9
General industrial machinery	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Electric and electronic equipment	5.6	5.2	5.2	5.2	5.1	5.8	5.7	5.6	5.7	5.8	5.8	5.8	5.7
Electrical industrial apparatus	3.2	2.9	2.9	2.9	2.9	3.5	3.4	3.3	3.3	3.3	3.4	3.4	3.4
Transportation equipment	21.7	21.4	21.4	21.7	21.8	21.7	21.8	21.8	21.8	21.9	21.9	21.6	21.5
Nondurable Goods[c]	29.3	29.4	29.4	29.4	29.3	29.3	29.4	29.1	29.2	29.4	29.2	29.0	29.1
Food and kindred products	2.8	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.8	2.7
Paper and allied products	5.8	5.8	5.8	5.8	5.7	5.7	5.8	5.9	5.9	5.9	5.7	5.7	5.7
Printing and publishing	8.4	8.5	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.6
Rubber and misc. plastics products	8.5	8.7	8.7	8.6	8.6	8.5	8.5	8.3	8.3	8.6	8.5	8.3	8.4
NONMANUFACTURING[d]	313.7	304.6	305.0	307.5	312.9	314.9	313.5	310.4	312.5	317.9	320.6	322.0	322.1
CONSTRUCTION	14.8	12.1	11.6	12.1	13.8	14.8	15.5	16.4	16.9	16.9	16.5	16.0	15.3
TRANSPORTATION AND PUBLIC UTILITIES	14.9	14.2	14.2	14.3	14.6	14.8	14.6	15.0	15.1	15.2	15.5	15.5	15.4
Communication, electric, gas services	5.8	5.9	5.9	5.8	5.9	5.9	5.7	5.9	5.9	5.8	5.8	5.8	5.8
WHOLESALE TRADE	18.6	18.9	18.7	18.7	18.7	18.8	18.8	18.6	18.6	18.6	18.6	18.4	18.3
Wholesale trade-durable goods	12.5	12.9	12.7	12.8	12.7	12.7	12.7	12.4	12.4	12.4	12.4	12.2	12.1
RETAIL TRADE	75.0	72.0	71.3	71.9	74.1	75.2	75.7	74.8	75.3	75.9	76.2	77.7	79.4
General merchandise stores	11.8	12.0	11.4	11.3	11.3	11.3	11.3	11.3	11.4	11.6	11.9	12.7	13.5

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1986[a] (continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	17.2	16.8	16.8	16.9	17.1	17.3	17.4	17.5	17.5	17.4	17.3	17.4	17.4
Banking	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.2	4.2	4.2
Credit agencies other than banks	4.4	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Insurance carriers	3.0	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0
SERVICES	100.2	97.1	98.1	98.6	100.1	99.0	100.4	99.8	100.7	101.6	102.3	102.6	101.5
Business services	23.7	22.0	22.4	22.5	23.2	23.4	24.0	24.2	24.4	24.4	24.7	24.9	24.8
Health services	34.6	34.2	34.2	34.2	34.1	34.2	34.4	34.8	35.0	34.9	35.0	35.1	35.1
Hospitals	18.1	18.0	18.0	18.0	17.9	18.0	18.0	18.2	18.2	18.3	18.3	18.4	18.4
Educational services	7.1	7.5	7.9	7.8	7.7	6.1	5.9	5.3	5.1	7.4	8.0	8.4	7.7
GOVERNMENT	72.6	73.1	74.0	74.6	74.1	74.6	70.6	67.9	67.8	71.8	73.7	74.0	74.3
Federal government	28.0	27.8	28.0	28.6	28.1	28.2	28.1	28.2	28.2	28.0	27.5	27.6	27.9
State government	6.7	6.5	6.8	6.9	6.9	6.9	6.9	6.1	6.0	6.1	7.0	7.0	7.0
State government education	4.0	3.9	4.2	4.3	4.2	4.3	4.2	3.4	3.3	3.5	4.4	4.4	4.3
State government, except education	2.6	2.6	2.6	2.6	2.7	2.6	2.7	2.7	2.7	2.7	2.6	2.6	2.7
Local government	37.9	38.8	39.2	39.2	39.2	39.5	35.6	33.6	33.6	37.7	39.3	39.4	39.4
Local government education	23.3	24.5	25.1	25.0	24.8	24.9	20.6	18.3	18.5	23.1	24.8	25.0	24.9
Local government, except education	14.6	14.3	14.2	14.2	14.4	14.6	15.0	15.3	15.2	14.6	14.4	14.4	14.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes.

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AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON-SPRINGFIELD MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.89	$11.91	$11.98	$11.85	$11.77	$11.74	$11.90	$11.86	$11.82	$11.78	$11.91	$12.01	$12.08
Durable Goods[b]	12.07	12.11	12.20	12.06	11.93	11.90	12.10	12.07	11.99	12.00	12.07	12.18	12.18
Fabricated metal products	9.30	9.36	9.33	9.37	9.20	9.34	9.35	9.29	9.29	9.23	9.24	9.25	9.30
Machinery, except electrical	12.82	12.77	12.91	12.82	12.63	12.64	12.89	12.85	12.77	12.74	12.85	13.05	12.87
Metalworking machinery	12.01	11.91	11.85	12.11	11.86	11.98	12.06	12.11	12.08	11.93	12.05	12.03	12.12
General industrial machinery	10.68	10.04	10.28	10.84	10.49	10.47	10.69	10.76	10.82	10.98	10.79	10.65	11.18
Electric and electronic equipment	9.60	9.43	9.60	9.80	9.66	9.70	9.73	9.41	9.63	9.60	9.44	9.53	9.67
Electrical industrial apparatus	10.82	10.77	10.85	10.98	11.00	10.95	10.89	10.37	10.90	10.78	10.76	10.83	10.72
Transportation equipment	14.39	14.35	14.49	14.29	14.13	14.12	14.34	14.37	14.32	14.31	14.52	14.56	14.85
Nondurable Goods[c]	11.36	11.34	11.33	11.21	11.30	11.27	11.31	11.23	11.31	11.13	11.47	11.56	11.79
Food and kindred products	8.40	8.28	8.43	8.34	8.28	8.50	8.33	8.27	8.50	8.73	8.32	8.26	8.49
Paper and allied products	10.89	10.70	10.78	10.73	10.92	10.76	10.95	10.81	10.95	10.86	10.93	11.09	11.13
Printing and publishing	11.02	10.80	10.88	10.70	10.82	11.04	11.07	11.01	11.14	11.25	11.18	11.30	11.01
Rubber and misc. plastics products	14.26	14.23	14.11	14.13	14.15	14.01	14.07	14.10	14.06	13.85	14.59	14.58	15.04
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.36	13.08	13.12	13.14	13.33	13.23	13.30	13.42	13.50	13.54	13.55	13.58	13.55
WHOLESALE TRADE	10.14	9.92	9.91	10.03	9.92	10.07	10.09	10.19	10.10	10.29	10.36	10.40	10.30
RETAIL TRADE[d]	5.66	5.63	5.63	5.70	5.63	5.66	5.66	5.64	5.59	5.68	5.72	5.68	5.69
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	10.60	10.52	10.48	10.51	10.64	10.60	10.53	10.65	10.63	10.66	10.60	10.65	10.75

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [†]Not comparable to previous estimates.

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AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON-SPRINGFIELD MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.0	42.0	42.2	41.7	41.3	41.4	42.2	41.5	41.7	41.4	42.6	42.7	42.8
Durable Goods[b]	41.9	41.9	42.3	41.8	41.1	41.4	42.3	41.6	41.8	41.4	42.5	42.5	42.8
Fabricated metal products	40.9	40.0	40.5	41.7	40.1	40.2	41.2	40.0	40.8	39.8	41.2	41.6	43.3
Machinery, except electrical	42.7	42.6	42.9	42.2	41.6	41.9	43.1	42.7	42.4	41.9	43.7	43.5	43.9
Metalworking machinery	44.1	43.4	42.9	42.4	42.4	43.0	44.2	44.0	44.9	44.1	45.8	46.1	46.5
General industrial machinery	41.3	39.0	38.4	41.2	38.6	39.6	44.2	42.4	41.9	40.7	42.2	41.4	45.6
Electric and electronic equipment	44.8	43.4	43.1	44.2	43.6	44.8	46.0	43.6	44.5	44.5	45.3	47.0	47.6
Electrical industrial apparatus	46.7	44.9	45.3	47.4	45.0	47.6	47.8	44.0	45.3	46.3	48.4	49.4	49.2
Transportation equipment	41.1	41.9	42.4	41.2	40.5	40.6	41.0	40.7	41.1	41.1	41.1	41.1	41.0
Nondurable Goods[c]	41.9	42.1	41.8	41.5	41.9	41.4	41.8	41.0	41.4	41.5	42.8	43.2	42.8
Food and kindred products	43.1	43.1	42.2	41.9	41.5	43.3	43.3	43.8	43.0	46.8	43.4	43.2	41.6
Paper and allied products	46.3	47.2	46.1	46.0	47.0	45.7	46.9	45.6	45.6	46.1	45.6	47.0	47.2
Printing and publishing	39.2	38.2	38.8	38.9	39.6	39.0	38.5	37.3	39.1	40.5	40.4	40.8	38.7
Rubber and misc. plastics products	40.4	40.6	40.4	40.0	40.2	39.6	39.4	39.3	39.7	37.2	43.2	42.6	42.2
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	40.1	39.3	39.1	39.2	40.7	39.9	40.5	41.2	40.4	40.5	40.3	40.4	40.2
WHOLESALE TRADE	41.0	40.0	40.3	40.0	40.7	40.1	40.9	42.1	41.8	42.1	41.6	41.5	40.8
RETAIL TRADE	28.0	27.2	27.0	27.5	27.9	27.8	27.8	28.4	28.7	28.5	28.4	27.7	28.5
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	34.3	34.4	34.4	34.2	33.9	33.6	34.3	34.2	34.2	34.2	34.3	34.6	34.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

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AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON-SPRINGFIELD MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$499.38	$500.22	$505.56	$494.15	$486.10	$486.04	$502.18	$492.19	$492.89	$487.69	$507.37	$512.83	$517.02
Durable Goods[b]	505.73	507.41	516.06	504.11	490.32	492.66	511.83	502.11	501.18	496.80	512.98	517.65	521.30
Fabricated metal products	380.37	374.40	377.87	390.73	368.92	375.47	385.22	371.60	379.03	367.35	380.69	384.80	402.69
Machinery, except electrical	547.41	544.00	553.84	541.00	525.41	529.62	555.56	548.70	541.45	533.81	561.55	567.68	564.99
Metalworking machinery	529.64	516.89	508.37	513.46	502.86	515.14	533.05	532.84	542.39	526.11	551.89	554.58	563.58
General industrial machinery	441.08	391.56	394.75	446.61	404.91	414.61	472.50	456.22	453.36	446.89	455.34	440.91	509.81
Electric and electronic equipment	430.08	409.26	413.76	433.16	421.18	434.56	447.58	410.28	428.54	427.20	427.63	447.91	460.29
Electrical industrial apparatus	505.29	483.57	491.51	520.45	495.00	521.22	520.54	456.28	493.77	499.11	520.78	535.00	527.42
Transportation equipment	591.43	601.27	614.38	588.75	572.27	573.27	587.94	584.86	588.55	588.14	596.77	598.42	608.85
Nondurable Goods[c]	475.98	477.41	473.59	465.22	473.47	466.58	472.76	460.43	468.23	461.90	490.92	499.39	504.61
Food and kindred products	362.04	356.87	355.75	349.45	343.62	368.05	360.69	362.23	365.50	408.56	361.09	356.83	353.18
Paper and allied products	504.21	505.04	496.96	493.58	513.24	491.73	513.56	492.94	499.32	500.65	498.41	521.23	525.34
Printing and publishing	431.98	412.56	422.14	416.23	428.47	430.56	426.20	410.67	435.57	455.63	451.67	461.04	426.09
Rubber and misc. plastics products	576.10	577.74	570.04	565.20	568.83	554.80	554.36	554.13	558.18	515.22	630.29	621.11	634.69
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	535.74	514.04	512.99	515.09	542.53	527.88	538.65	552.90	545.40	548.37	546.07	548.63	544.71
WHOLESALE TRADE	415.74	396.80	399.37	401.20	403.74	403.81	412.68	429.00	422.18	433.21	430.98	431.60	420.24
RETAIL TRADE[d]	158.48	153.14	152.01	156.75	157.08	157.35	157.35	160.18	160.43	161.88	162.45	157.34	162.17
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	363.58	361.89	360.51	359.44	360.70	356.16	361.18	364.23	363.55	364.57	363.58	368.49	375.18

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

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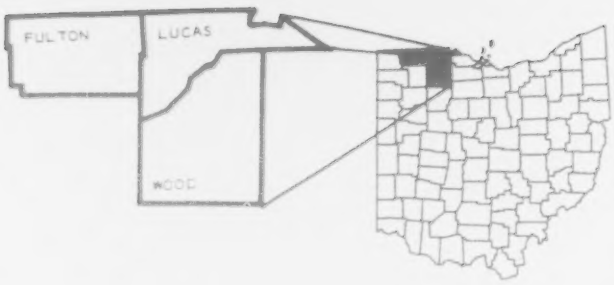
TOLEDO METROPOLITAN STATISTICAL AREA



The estimated annual average civilian labor force, based on place of residence, in the Toledo metropolitan area gained 1,800 jobs, from 307,100 in 1986, to 308,900 in 1987. Total employment advanced 5,200 over the year, to 286,400, while unemployment registered a decrease of 3,300, to 22,500 in 1987. The unemployment rate dropped 1.1 percent, from 8.4 percent in 1986, to7.3 percent in 1987. (See table, page 95, top.)

Nonagricultural wage and salary employment advanced 7,400 from the1986 level, to 279,400 in 1987. Growth was concentrated in nonmanufacturing industries, gaining 8,700 jobs over the year. Expansion in services, retail trade, and construction contributed 87.4 percent of the improvement, although increases were recorded in nearly all nonmanufacturing sectors. Manufacturing employment declined 2.1 percent over the year, a loss of 1,300 workers. Nondurable-goods industries showed modest improvement. However, important reductions were registered in transportation equipment and stone, clay, and glass products.

In the Toledo area, total nonfarm employment increased 33,700 since the 1979-1983 recessionary period. Nonmanufacturing industries contributed 92.6 percent of the gain. Primary growth sectors were services and retail trade. Construction and government also recorded significant improvements. Manufacturing recovered 14.0 percent of jobs lost during the economic downturn. Gains were reflected in durable- and nondurable-goods industries, especially transportation equipment. However, stone, clay, and glassware continued its downward trend, dropping 2,100 below the 1983 level. (See table, page 95, bottom.)

TOLEDO MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)

Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

TOLEDO MSA CIVILIAN LABOR FORCE AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage And Salary Employment		
	Employment							Manufacturing	
		Unemployment							Nonmfg.
			Unemployment Rate[b]						
			MSA	Ohio	U.S.				
329.4	311.3	18.1	5.5	5.5	5.6	1972	241.7	77.9	163.8
339.8	324.2	15.6	4.6	4.3	4.9	1973	252.2	82.0	170.2
343.8	324.2	19.7	5.7	4.8	5.6	1974	251.6	78.8	172.7
344.8	310.2	34.6	10.0	9.1	8.5	1975	241.0	70.9	170.1
347.8	319.4	28.4	8.2	7.8	7.7	1976	248.3	74.5	173.9
355.0	329.4	25.6	7.2	6.5	7.1	1977	256.3	77.2	179.1
362.1	339.7	22.4	6.2	5.4	6.1	1978	264.7	79.4	185.3
368.2	341.7	26.4	7.2	5.9	5.8	1979	268.2	77.4	190.8
368.2	329.8	38.4	10.4	8.4	7.1	1980	257.0	66.4	190.6
367.4	328.0	39.4	10.7	9.6	7.6	1981	254.2	65.8	188.4
369.4	323.0	46.4	12.6	12.5	9.7	1982	244.4	60.2	184.2
289.2[c]	256.1[c]	33.1[c]	11.4[c]	12.2	9.6	1983	245.3	59.6	185.7
293.5	267.3	26.2	8.9	9.4	7.5	1984	257.0	64.8	192.2
296.5	272.3	24.3	8.2	8.9	7.2	1985	264.5	65.7	198.8
307.1	281.2	25.8	8.4	8.1	7.0	1986	272.0	63.4	208.6
308.9	286.4	22.5	7.3	7.0	6.2	1987	279.4	62.1	217.3

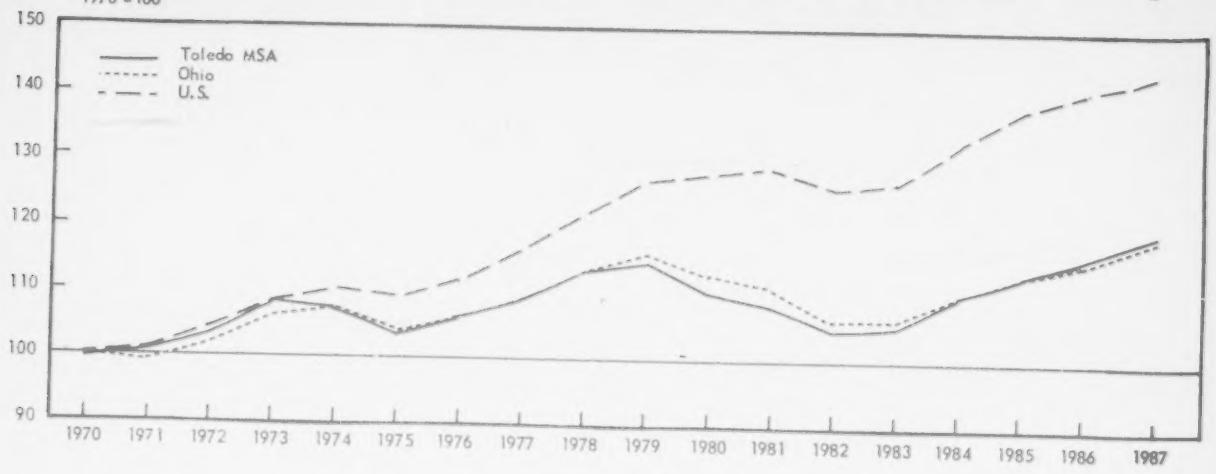
[a]Civilian Labor force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.
[b]Unemployment as percentage of Civilian Labor Force.
[c]Data not comparable to previous years due to change in metropolitan area definition.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE TOLEDO METROPOLITAN STATISTICAL AREA ANNUAL AVERAGE DATA FOR 1979, 1983, and 1987

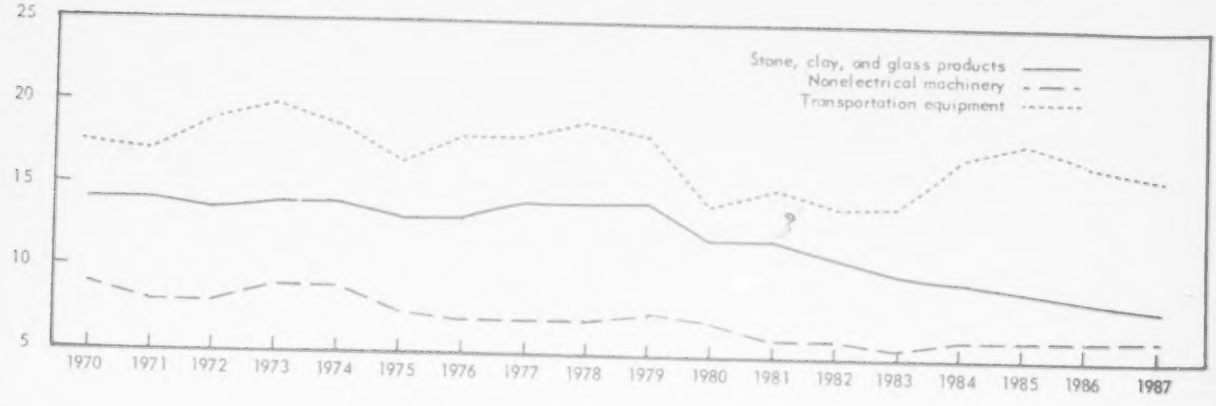
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1987	1979-1983	1983-1987	MSA	Ohio
TOTAL	268.2	245.7	279.4	-22.5	33.7	149.8	124.0
MANUFACTURING	77.4	59.6	62.1	-17.8	2.5	14.0	9.3
Durable Goods	61.5	46.2	47.9	-15.3	1.7	11.1	5.0
Stone, Clay, and Glass Products	13.8	10.1	8.0	-3.7	-2.1	-	-
Transportation Equipment	17.7	14.3	15.9	-3.4	1.6	47.1	47.2
Motor Vehicles and Equipment	16.3	13.1	15.0	-3.2	1.9	59.4	20.5
Nondurable Goods	16.0	13.4	14.2	-2.6	.8	30.8	27.8
CONSTRUCTION	10.3	7.3	10.6	-3.0	3.3	110.0	88.7
TRANSPORTATION AND PUBLIC UTILITIES	17.7	13.8	13.7	-3.9	- .1	-	25.0
WHOLESALE TRADE	14.1	13.9	14.7	- .2	.8	400.0	254.4
RETAIL TRADE	47.1	44.6	54.3	-2.5	9.7	388.0	435.4
FINANCE, INSURANCE, AND REAL ESTATE	9.3	9.5	11.4	.2	1.9	+	+
SERVICES	53.0	57.8	70.9	4.8	13.1	+	+
GOVERNMENT	39.0	38.6	41.5	- .4	2.9	725.0	178.8

+ No downturn, 1979-1983.
- No upturn, 1983-1987.

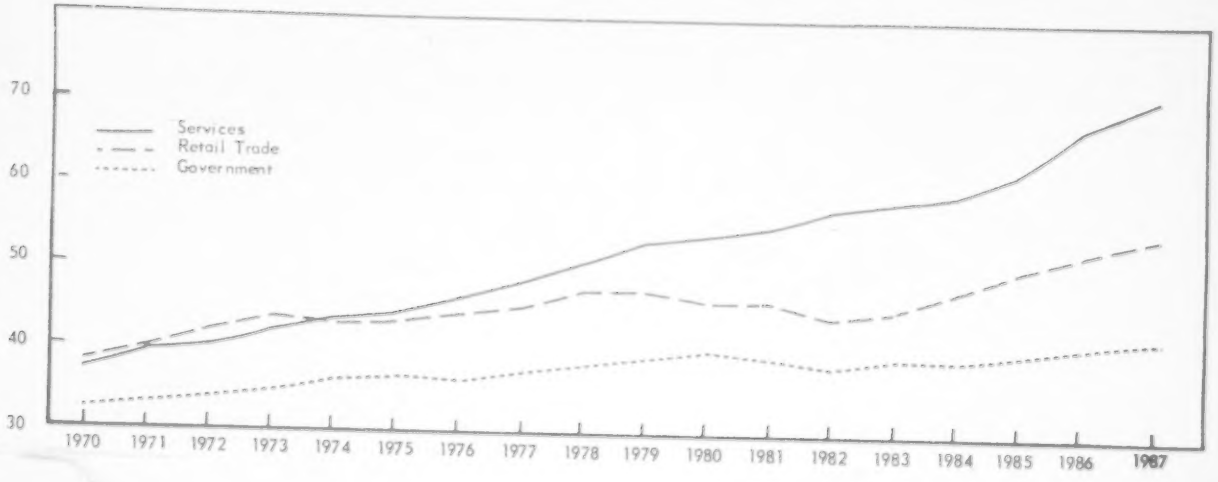
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



TOLEDO MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



TOLEDO MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1987[a]
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	279.4	271.2	271.5	273.4	277.4	280.2	278.5	277.2	277.7	283.4	285.8	287.9	288.6
MANUFACTURING	62.1	61.9	61.8	61.9	62.0	61.8	62.0	61.6	62.5	62.9	61.6	62.4	62.5
Durable Goods[b]	47.9	48.3	48.2	48.3	48.0	47.7	47.9	47.3	47.4	48.0	47.3	48.0	48.0
Stone, clay, and glass products	8.0	8.0	8.0	7.9	7.8	7.8	7.9	7.9	8.0	8.1	8.1	8.2	8.1
Primary metal industries	3.4	3.6	3.6	3.6	3.5	3.4	3.4	3.2	3.3	3.4	3.3	3.4	3.4
Fabricated metal products	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.6	7.4	7.5	7.4	7.5	7.5
Metal forgings and stampings	3.3	3.4	3.4	3.5	3.4	3.4	3.4	3.4	3.2	3.3	3.2	3.2	3.3
Machinery, except electrical	6.0	5.9	6.0	6.0	6.2	6.1	6.1	5.9	6.1	6.1	6.0	6.0	6.1
Electric and electronic equipment	2.5	2.7	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.5	2.1	2.4	2.5
Transportation equipment	15.9	16.0	16.0	16.2	16.0	16.0	16.0	15.9	15.8	16.0	15.8	15.8	15.8
Motor vehicles and equipment	15.0	15.0	15.1	15.2	15.1	15.1	15.1	15.0	14.9	15.0	14.9	14.9	14.8
Nondurable Goods[c]	14.2	13.6	13.6	13.6	14.0	14.1	14.1	14.3	15.1	14.9	14.3	14.4	14.4
Food and kindred products	3.8	3.5	3.4	3.4	3.5	3.7	3.7	3.8	4.6	4.4	3.7	3.8	3.8
Rubber and misc. plastics products	2.9	2.8	2.8	2.9	2.9	2.9	2.7	2.9	2.8	2.8	2.9	3.0	3.0
NONMANUFACTURING[d]	217.3	209.3	209.7	211.6	215.4	218.3	216.5	215.6	215.2	220.5	224.2	225.5	226.1
CONSTRUCTION	10.6	9.0	8.7	8.8	9.6	10.4	10.7	11.3	11.6	11.8	12.0	11.9	11.4
TRANSPORTATION AND PUBLIC UTILITIES	13.7	13.1	13.0	13.1	13.5	13.7	13.9	13.9	14.0	14.1	14.1	14.1	14.0
Trucking and warehousing	5.4	5.1	5.1	5.1	5.2	5.3	5.4	5.4	5.4	5.5	5.6	5.7	5.7
Communication, electric, gas services	5.0	4.9	5.0	5.0	4.9	4.9	5.0	5.0	5.1	5.0	5.0	5.0	5.0
WHOLESALE TRADE	14.7	14.2	14.2	14.3	14.5	14.6	14.8	15.0	15.0	14.8	14.9	14.9	14.9
Wholesale trade-durable goods	9.7	9.4	9.5	9.5	9.6	9.7	9.9	10.0	10.0	9.8	9.9	9.8	9.8
RETAIL TRADE	54.3	52.8	51.9	52.3	53.2	53.8	54.2	54.3	54.5	54.9	55.4	56.6	57.9
General merchandise stores	7.7	8.1	7.6	7.6	7.5	7.4	7.4	7.4	7.5	7.6	7.8	8.2	8.6

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1987[a] (continued)
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	11.4	11.0	11.1	11.1	11.2	11.4	11.4	11.5	11.5	11.4	11.5	11.5	11.5
Banking	3.5	3.5	3.4	3.4	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6
SERVICES	70.9	67.2	67.8	68.8	70.1	70.9	71.4	72.0	72.2	72.4	72.7	72.7	72.5
Business services	14.6	13.2	13.5	13.6	14.1	14.6	14.7	15.0	15.1	15.2	15.3	15.5	15.6
Health services	27.0	26.7	26.7	26.8	26.8	26.8	26.9	27.1	27.1	27.1	27.1	27.2	27.2
Hospitals	15.3	15.0	15.1	15.2	15.1	15.2	15.4	15.4	15.4	15.3	15.3	15.3	15.2
GOVERNMENT	41.5	41.8	42.8	43.1	43.0	43.3	39.7	37.4	36.1	40.8	43.3	43.6	43.6
State government	15.0	15.2	16.0	16.3	16.2	16.2	12.7	12.3	11.5	14.3	16.4	16.4	16.2
State government education	10.9	11.2	12.1	12.2	12.2	12.1	8.6	8.2	7.4	10.3	12.4	12.4	12.2
State government, except education	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.0	4.0	4.0	4.0
Local government	23.9	23.9	24.1	24.2	24.2	24.5	24.4	22.4	22.0	23.9	24.4	24.6	24.8
Local government education	13.5	13.7	14.0	14.1	13.9	14.0	13.6	11.4	11.1	13.5	14.0	14.2	14.4
Local government, except education	10.4	10.2	10.1	10.1	10.3	10.5	10.8	11.0	10.9	10.4	10.3	10.4	10.4

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-7 (1987)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	272.0	265.8	265.7	266.3	271.2	273.1	270.2	269.5	271.6	276.5	277.6	278.6	278.3
MANUFACTURING	63.4	65.2	63.8	62.9	63.7	62.9	63.4	62.9	64.0	64.2	63.0	62.7	61.9
Durable Goods[b]	49.5	51.7	50.2	49.2	50.0	49.0	49.4	49.2	49.2	49.4	49.2	48.9	48.2
Stone, clay, and glass products	8.6	8.5	8.6	8.6	8.5	8.6	8.7	8.8	8.8	8.7	8.6	8.5	8.0
Primary metal industries	3.4	3.4	3.4	3.5	3.5	3.4	3.4	3.5	3.4	3.5	3.4	3.4	3.4
Fabricated metal products	7.6	7.7	7.5	7.6	7.5	7.4	7.5	7.5	7.5	7.6	7.6	7.6	7.6
Metal forgings and stampings	3.3	3.5	3.3	3.4	3.3	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4
Machinery, except electrical	6.0	6.0	5.9	6.0	6.0	6.1	6.0	5.9	5.9	6.1	6.2	6.0	6.0
Electric and electronic equipment	2.7	3.0	2.0[e]	2.0[e]	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.6
Transportation equipment	16.8	18.9	18.6	17.3	17.3	16.2	16.5	16.2	16.3	16.4	16.2	16.2	16.0
Motor vehicles and equipment	15.8	17.8	17.6	16.3	16.3	15.2	15.5	15.2	15.3	15.4	15.3	15.3	15.1
Nondurable Goods[c]	13.9	13.5	13.6	13.8	13.6	13.9	14.0	13.7	14.8	14.8	13.8	13.8	13.8
Food and kindred products	3.6	3.3	3.3	3.3	3.2	3.4	3.6	3.4	4.5	4.4	3.4	3.4	3.5
Rubber and misc. plastics products	2.9	2.9	3.0	3.0	3.0	3.0	2.9	2.7	2.8	2.8	2.8	2.9	2.8
NONMANUFACTURING[d]	208.6	200.5	201.8	203.3	207.5	210.2	206.8	206.6	207.5	212.3	214.6	215.8	216.4
CONSTRUCTION	9.5	7.8	7.6	7.9	9.0	9.5	9.7	10.2	10.4	10.4	10.7	10.4	10.0
TRANSPORTATION AND PUBLIC UTILITIES	13.8	13.5	13.5	13.5	13.7	13.8	13.1	14.1	14.3	14.2	14.2	14.1	14.0
Trucking and warehousing	5.5	5.3	5.3	5.3	5.3	5.4	5.4	5.5	5.6	5.6	5.7	5.7	5.7
Communication, electric, gas services	4.9	4.9	4.9	4.9	4.8	4.9	4.1[e]	5.0	5.0	5.0	5.0	5.0	5.0
WHOLESALE TRADE	14.4	14.2	14.2	14.2	14.4	14.5	14.6	14.6	14.6	14.4	14.6	14.4	14.3
Wholesale trade-durable goods	9.6	9.6	9.6	9.6	9.6	9.7	9.7	9.8	9.7	9.6	9.6	9.5	9.4
RETAIL TRADE	52.1	50.5	50.0	50.4	50.7	51.6	52.0	52.2	52.5	52.7	53.0	54.4	55.7
General merchandise stores	7.5	7.4	7.0	7.0	6.9	7.0	7.1	7.3	7.4	7.5	7.9	8.5	9.0

See footnotes at end of table.

RS-790-1-7 (1986)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1986[a] (continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	11.0	10.5	10.6	10.7	10.9	10.9	11.1	11.2	11.2	11.2	11.2	11.3	11.4
Banking	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.5	3.6	3.6
SERVICES	66.6	63.2	63.7	64.2	66.4	66.9	67.1	67.6	68.2	68.4	68.0	68.0	67.8
Business services	13.0	12.0	12.1	12.0	12.8	12.8	12.9	13.3	13.5	13.5	13.5	13.7	13.6
Health services	25.9	25.1	25.0	25.2	25.5	25.7	26.0	26.2	26.2	26.3	26.3	26.4	26.5
Hospitals	14.7	14.3	14.4	14.5	14.6	14.6	14.7	14.9	14.9	14.9	15.0	15.0	15.0
GOVERNMENT	40.9	40.6	42.1	42.2	42.2	42.7	39.0	36.3	36.1	40.6	42.8	43.0	42.9
State government	14.7	14.6	15.9	15.9	15.9	16.1	12.3	11.8	11.5	14.4	16.2	16.3	16.1
State government education	10.8	10.8	12.0	12.0	12.0	12.1	8.3	7.7	7.4	10.4	12.3	12.4	12.1
State government, except education	3.9	3.8	3.8	3.9	4.0	3.9	4.0	4.1	4.1	4.0	3.9	3.9	4.0
Local government	23.5	23.4	23.7	23.7	23.7	24.0	24.0	21.9	21.9	23.6	24.0	24.0	24.0
Local government education	13.2	13.4	13.6	13.7	13.6	13.7	13.4	11.1	11.1	13.1	13.6	13.6	13.8
Local government, except education	10.3	10.0	10.0	10.0	10.1	10.3	10.6	10.8	10.8	10.5	10.3	10.3	10.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-1-7 (1986)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$12.72	$12.75	$12.68	$12.70	$12.67	$12.71	$12.66	$12.67	$12.61	$12.72	$12.75	$12.81	$12.86
Durable Goods[b]	13.20	13.25	13.09	13.14	13.16	13.21	13.11	13.11	13.17	13.23	13.25	13.33	13.35
Stone, clay, and glass products	12.58	12.60	12.60	12.82	12.63	12.58	12.67	12.37	12.20	12.39	12.55	12.75	12.77
Primary metal industries	11.28	11.43	11.42	11.40	11.42	11.40	11.50	11.01	11.01	10.93	11.21	11.23	11.25
Fabricated metal products	12.54	12.49	12.60	12.45	12.54	12.25	12.43	12.43	12.54	12.63	12.59	12.68	12.82
Metal forgings and stampings	14.75	14.47	14.78	14.56	14.61	14.24	14.41	14.29	14.66	14.89	15.09	15.38	15.53
Machinery, except electrical	11.63	11.54	11.40	11.47	11.41	11.61	11.54	11.55	11.53	11.70	11.74	11.87	12.17
Electric and electronic equipment	12.41	12.58	12.72	12.77	12.40	12.64	12.34	12.38	12.41	12.49	12.00	12.16	11.76
Transportation equipment	15.51	15.55	15.20	15.30	15.36	15.47	15.35	15.45	15.50	15.56	15.69	15.79	15.92
Motor vehicles and equipment	15.59	15.61	15.25	15.36	15.43	15.55	15.44	15.53	15.58	15.64	15.78	15.88	16.02
Nondurable Goods[c]	11.01	10.86	11.14	11.08	10.85	10.90	11.06	11.16	10.75	11.05	11.08	11.08	11.10
Food and kindred products	12.39	12.45	13.29	13.30	12.45	12.46	12.66	12.80	11.38	11.73	12.32	12.13	12.21
Rubber and misc. plastics products	8.12	8.11	8.03	7.86	8.13	7.92	8.19	8.11	8.02	8.24	8.11	8.36	8.38
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	14.36	14.02	13.95	13.92	13.93	14.26	14.84	14.76	14.57	14.52	14.38	14.41	14.74
WHOLESALE TRADE	9.43	9.24	9.30	9.39	9.44	9.45	9.36	9.44	9.50	9.58	9.36	9.54	9.53
RETAIL TRADE[d]	5.54	5.51	5.59	5.60	5.54	5.54	5.51	5.48	5.52	5.47	5.60	5.56	5.57

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-7 (1987)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.5	43.5	43.2	42.8	42.4	41.9	41.8	41.3	42.4	42.4	42.1	42.8	43.3
Durable Goods[b]	42.7	44.1	43.5	43.0	42.6	42.1	41.7	41.4	42.7	42.3	42.2	43.2	43.4
Stone, clay, and glass products	41.1	42.3	41.9	40.9	40.5	40.3	40.8	40.9	39.8	41.0	40.5	41.9	42.0
Primary metal industries	43.5	45.6	46.0	44.5	44.4	42.9	43.2	41.5	42.2	40.4	43.8	43.3	43.7
Fabricated metal products	43.2	44.7	44.1	43.0	43.6	41.3	42.7	41.5	42.2	42.7	43.0	44.7	45.2
Metal forgings and stampings	46.0	47.0	47.1	46.9	45.9	42.9	44.6	43.1	45.2	45.4	45.5	48.0	49.9
Machinery, except electrical	42.3	42.5	42.7	42.0	40.7	42.3	41.4	42.2	42.1	42.4	41.5	42.9	44.8
Electric and electronic equipment	41.4	43.6	42.3	42.9	41.1	41.7	40.8	41.6	40.6	40.9	40.3	41.4	38.9
Transportation equipment	43.2	45.1	43.8	43.8	43.1	43.3	41.7	41.5	44.4	43.2	41.9	43.1	43.0
Motor vehicles and equipment	43.1	45.1	43.9	43.8	43.1	43.3	41.6	41.3	44.4	43.1	41.8	43.1	43.0
Nondurable Goods[c]	41.8	41.6	42.2	41.9	41.6	41.0	41.9	41.2	41.5	42.8	41.8	41.4	42.6
Food and kindred products	43.7	44.1	45.7	46.0	42.5	42.2	45.1	44.4	43.7	43.4	43.3	41.1	43.1
Rubber and misc. plastics products	40.4	40.5	39.5	39.5	41.4	40.0	40.3	39.0	39.7	42.8	40.2	40.9	41.5
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	41.8	41.2	40.9	41.7	41.9	42.0	42.4	42.2	41.7	42.1	41.3	41.5	42.2
WHOLESALE TRADE	37.7	37.4	37.1	37.4	37.7	38.4	37.5	37.9	37.5	37.6	37.8	38.0	38.6
RETAIL TRADE	29.0	27.9	28.0	28.5	29.1	29.3	29.3	29.6	29.7	29.5	29.1	28.8	29.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-3-7 (1987)

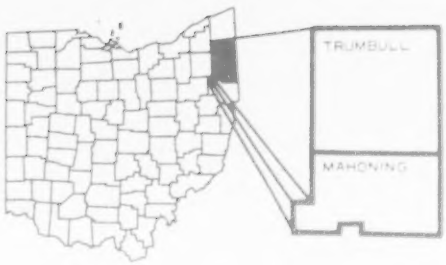
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$540.60	$554.63	$547.78	$543.56	$537.21	$532.55	$529.19	$523.27	$534.66	$539.33	$536.78	$548.27	$556.84
Durable Goods[b]	563.64	584.33	569.42	565.02	560.62	556.14	546.69	542.75	562.36	559.63	559.15	575.86	579.39
Stone, clay, and glass products	517.04	532.98	527.94	524.34	511.52	506.97	516.94	505.93	485.56	507.99	508.28	534.23	536.34
Primary metal industries	490.68	521.21	525.32	507.30	507.05	489.06	496.80	456.92	464.62	441.57	491.00	486.26	491.63
Fabricated metal products	541.73	558.30	555.66	535.35	546.74	505.93	530.76	515.85	529.19	539.30	541.37	566.80	579.46
Metal forgings and stampings	678.50	680.09	696.14	682.86	670.60	610.90	642.69	615.90	662.63	676.01	686.60	738.24	774.95
Machinery, except electrical	491.95	490.45	486.78	481.74	464.39	491.10	477.76	487.41	485.41	496.08	487.21	509.22	545.22
Electric and electronic equipment	513.77	548.49	538.06	547.83	509.64	527.09	503.47	515.01	503.85	510.84	483.60	503.42	457.46
Transportation equipment	670.03	701.31	665.76	670.14	662.02	669.85	640.10	641.18	688.20	672.19	657.41	680.55	684.56
Motor vehicles and equipment	671.93	704.01	669.48	672.77	665.03	673.32	642.30	641.39	691.75	674.08	659.60	684.43	688.86
Nondurable Goods[c]	460.22	451.78	470.11	464.25	451.36	446.90	463.41	459.79	446.13	472.94	463.14	458.71	472.86
Food and kindred products	541.44	549.05	607.35	611.80	529.13	525.81	570.97	568.32	497.31	509.08	533.46	498.54	526.25
Rubber and misc. plastics products	328.05	328.46	317.19	310.47	336.58	316.80	330.06	316.29	318.39	352.67	326.02	341.92	347.77
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	600.25	577.62	570.56	580.46	583.67	598.92	629.22	622.87	607.57	611.29	593.89	598.02	622.03
WHOLESALE-TRADE	355.51	345.58	345.03	351.19	355.89	362.88	351.00	357.78	356.25	360.21	353.81	362.52	367.86
RETAIL TRADE[d]	160.66	153.73	156.52	159.60	161.21	162.32	161.44	162.21	163.94	161.37	162.96	160.13	164.87

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regul[illegible], holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Indust[illegible]al Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay periods. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-2-7 (1987)

YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



In the Youngstown-Warren area, the estimated average annual civilian labor force, distributed by place of residence, declined 2,400, from 223,700 in 1986 to 221,300 in 1987. Total employment decreased 300 over the year, to 199,700, while unemployment registered a loss of 2,200, to 21,500. The unemployment rate fell from 10.6 percent in 1986, to 9.7 percent in 1987. (See table, page 105, top.)

Nonagricultural wage and salary employment increased 1,000 from the 1986 level, to 188,100 in 1987. Expansion in nonmanufacturing industries created 3,900 jobs, a 2.9 percent increase from 1986. Although nearly all sectors recorded gains over the year, noteworthy improvements were in services and retail trade. Manufacturing employment declined 2,900 since 1986, to 48,800. Most of the loss occurred in durable-goods industries. Significant reductions were registered in primary metal industries, especially blast furnace and basic steel products, and in transportation equipment.

Total nonfarm employment in the Youngstown-Warren area continued its post-recession expansion, gaining 10,600 since 1983. Although 29.1 percent of lost jobs have been recovered, the employment level remains 25,800 below the 1979 level. Growth in services, retail trade, and construction contributed most to the recovery. Manufacturing employment continued its downward trend, dropping 4,000 below the 1983 level. Significant losses during the post-recessionary period were noted in primary metals, especially blast furnace and basic steel products. However, transportation equipment was 600 above the 1983 level. (See table, page 105, bottom.)

YOUNGSTOWN-WARREN MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)

YOUNGSTOWN-WARREN MSA CIVILIAN LABOR FORCE AND NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage And Salary Employment		
	Employment							Manufacturing	
		Unemployment							Nonmfg.
			Unemployment Rate[b]						
			MSA	Ohio	U.S.				
226.9	212.1	14.8	6.5	5.5	5.6	1972	201.1	87.9	113.2
232.5	221.8	10.8	4.6	4.3	5.9	1973	211.6	93.0	118.5
236.7	223.7	13.0	5.5	4.8	5.6	1974	213.5	92.0	121.5
236.7	209.8	26.9	11.4	9.1	8.5	1975	200.7	80.8	120.0
234.2	210.5	23.7	10.1	7.8	7.7	1976	203.5	80.6	122.9
234.0	215.0	19.0	8.1	6.5	7.1	1977	208.0	81.1	126.9
235.2	217.5	17.7	7.5	5.4	6.1	1978	210.3	79.4	130.9
237.1	219.9	17.1	7.2	5.9	6.8	1979	213.9	79.9	133.9
238.9	210.5	28.4	11.9	8.4	7.1	1980	203.1	70.8	132.3
234.0	205.7	28.2	12.1	9.6	7.6	1981	198.7	67.3	131.4
237.0	190.3	46.6	19.7	12.5	9.7	1982	180.6	52.9	127.7
225.6	188.1	37.5	16.6	12.2	9.6	1983	177.5	52.8	124.7
222.2	195.9	26.3	11.8	9.4	7.5	1984	182.5	55.1	127.4
221.3	196.3	25.0	11.3	8.9	7.2	1985	184.2	52.7	131.4
223.7	200.0	23.7	10.6	8.1	7.0	1986	187.1	51.7	135.4
221.3	199.7	21.5	9.7	7.0	6.2	1987	188.1	48.8	139.3

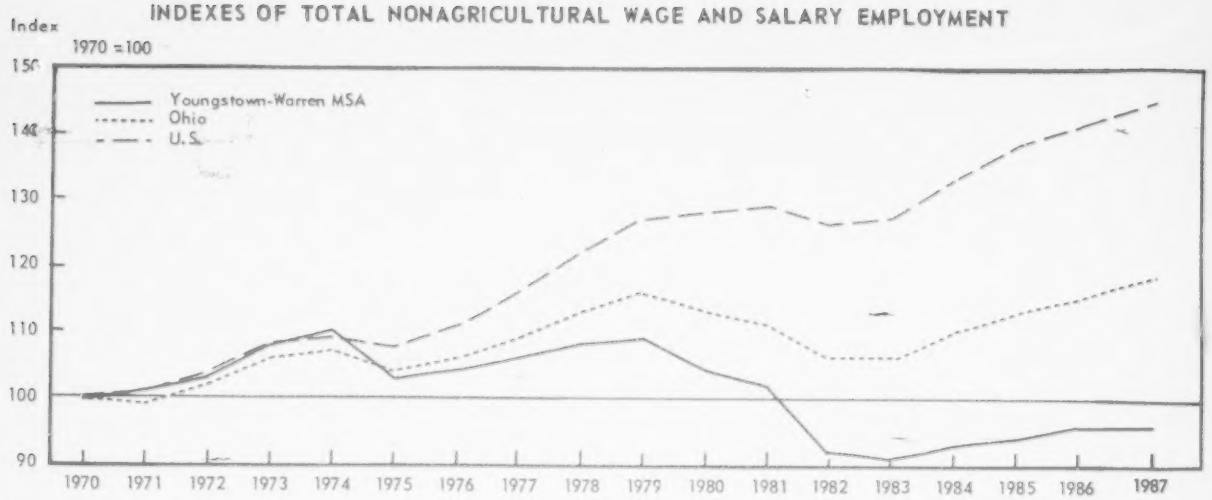
[a]Civilian Labor Force estimates are based on place of residence. Nonagricultural Wage and Salary Employment estimates are based on place of work.
[b]Unemployment as percentage of Civilian Labor Force.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES
IN THE YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA
ANNUAL AVERAGE DATA FOR 1979, 1983, and 1987

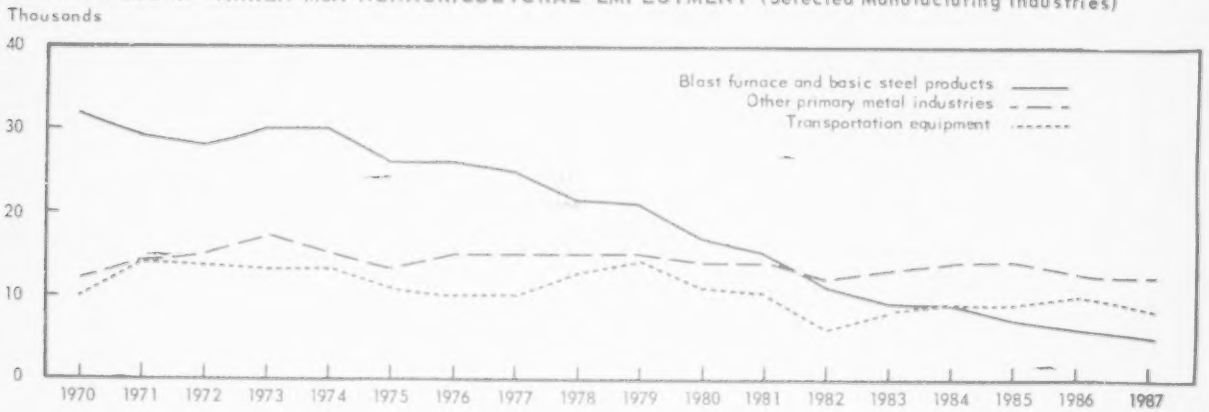
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1987	1979-1983	1983-1987	MSA	Ohio
TOTAL	213.9	177.5	188.1	-36.4	10.6	29.1	124.0
MANUFACTURING	79.9	52.8	48.8	-27.1	-4.0	-	9.3
Durable Goods	73.9	47.7	43.6	-26.2	-4.1	-	5.0
Primary Metal Industries	35.7	22.4	18.4	-13.3	-4.0	-	-
Blast Furnace & Basic Steel Products	20.9	9.0	5.6	-11.9	-3.4	-	-
Fabricated Metal Products	9.7	7.7	7.3	-2.0	- .4	-	8.1
Transportation Equipment	13.7	8.3	8.9	-5.4	.6	11.1	47.2
Nondurable Goods	6.0	5.0	5.2	-1.0	.2	20.0	27.8
CONSTRUCTION	7.0	4.8	7.3	-2.2	2.5	113.6	88.7
TRANSPORTATION AND PUBLIC UTILITIES	10.1	7.6	7.6	-2.5	.0	-	25.0
WHOLESALE TRADE	8.1	7.7	9.5	- .4	1.8	450.0	254.4
RETAIL TRADE	38.5	34.3	38.6	-4.2	4.3	102.4	435.4
FINANCE, INSURANCE, AND REAL ESTATE	7.0	7.1	8.2	.1	1.1	+	+
SERVICES	37.2	38.9	43.8	1.7	4.9	+	+
GOVERNMENT	25.6	23.6	23.7	-2.0	.1	5.0	178.8

+ No downturn, 1979-1983.
No upturn, 1983-1987.

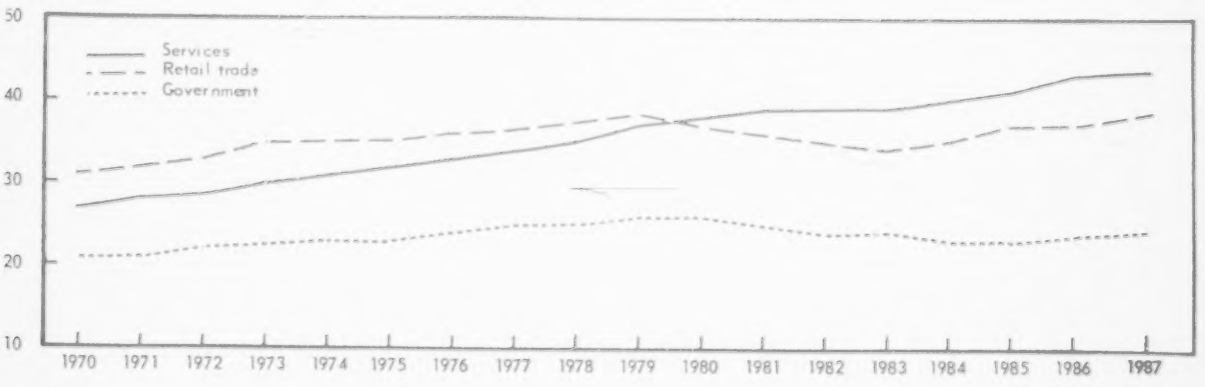
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



YOUNGSTOWN-WARREN MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



YOUNGSTOWN-WARREN MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN MSA, 1987[a]
(in thousands)

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	188.2	183.9	184.3	185.2	187.4	189.6	190.8	183.4	185.5	191.8	191.8	191.9	191.5
MANUFACTURING	48.8	49.2	49.3	49.6	49.7	49.1	49.2	43.8	45.9	50.5	49.8	49.7	49.4
Durable Goods[b]	43.6	44.2	44.4	44.6	44.5	44.1	44.1	38.5	40.7	45.1	44.4	44.3	44.3
Primary metal industries	18.4	18.1	18.4	18.6	18.4	18.0	18.1	17.4	18.3	19.0	19.0	18.9	18.3
Blast furnace and basic steel products	5.6	5.5	5.7	5.8	5.5	5.5	5.6	5.6	5.5	5.5	5.5	5.6	5.6
Fabricated metal products	7.3	7.2	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.4	7.4	7.5
Machinery, except electrical	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.1	3.2	3.6
Electric and electronic equipment	2.3	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.5	2.2	2.3	2.2	2.2
Transportation equipment	8.9	10.0	9.8	9.6	9.8	9.5	9.5	4.6	5.9	9.6	9.5	9.6	9.5
Nondurable Goods[c]	5.2	5.0	4.9	5.0	5.2	5.0	5.1	5.3	5.2	5.4	5.4	5.4	5.1
NONMANUFACTURING[d]	139.3	134.7	134.9	135.6	137.8	140.5	141.7	139.6	139.6	141.3	142.0	142.1	142.1
CONSTRUCTION	7.5	5.5	5.4	6.7	6.7	7.9	8.0	8.3	8.5	8.3	8.5	8.0	7.3
TRANSPORTATION AND PUBLIC UTILITIES	7.6	7.5	7.5	7.5	7.5	7.6	7.7	7.3	7.6	7.7	7.7	7.6	7.6
Communication, electric, gas services	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
WHOLESALE TRADE	9.5	8.9	8.9	9.0	9.3	9.3	9.5	9.5	9.8	9.8	9.8	9.8	9.9
Wholesale trade durable goods	5.7	5.6	5.7	5.8	5.9	6.0	6.0	6.1	6.3	6.3	6.2	6.1	6.2
RETAIL TRADE	38.6	37.5	37.5	37.5	38.0	38.5	39.0	38.8	38.5	38.8	39.2	39.5	40.1
General merchandise stores	5.4	5.0	5.2	5.3	5.2	5.3	5.3	5.4	5.4	5.3	5.5	5.6	5.8
FINANCE, INSURANCE, AND REAL ESTATE	8.2	8.1	8.2	8.2	8.2	8.2	8.2	8.1	8.3	8.3	8.2	8.2	8.2
Banking	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.8	2.8	2.8
SERVICES	43.8	42.3	42.4	42.7	43.4	44.1	44.3	44.7	44.1	45.2	44.4	43.9	43.8
Health services	19.4	19.0	19.0	19.1	19.3	19.4	19.5	19.6	19.8	19.6	19.7	19.6	19.6
Hospitals	10.1	10.0	10.0	10.0	10.1	10.2	10.2	10.4	10.2	10.1	10.2	10.1	10.1
GOVERNMENT	23.7	24.3	24.7	24.8	24.0	24.4	23.9	21.4	21.3	22.5	23.6	24.5	24.6
State government	4.0	4.0	4.3	4.4	4.0	4.4	4.3	3.6	3.4	3.3	3.9	4.3	4.4
State government education	2.5	2.5	2.9	2.9	2.6	2.9	2.8	2.0	1.8	1.8	2.5	2.8	2.9
State government, except education	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.5	1.5	1.5	1.5
Local government	17.6	18.1	18.3	18.4	18.0	18.2	17.3	15.8	15.8	17.1	17.6	18.1	18.1
Local government education	11.3	11.8	12.0	12.1	11.7	11.7	11.1	9.3	9.4	10.8	11.4	11.9	11.9
Local government, except education	6.3	6.3	6.3	6.3	6.2	6.3	6.4	6.4	6.4	6.3	6.2	6.2	6.2

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	187.1	183.6	182.6	183.4	186.6	189.8	189.4	186.7	186.1	189.2	190.3	188.7	188.9
MANUFACTURING	51.7	52.6	51.8	51.7	51.7	52.2	52.0	51.3	51.4	51.9	51.8	51.1	51.0
Durable Goods[b]	46.4	47.2	46.6	46.5	46.6	46.9	46.8	46.0	46.1	46.5	46.1	45.5	45.6
Primary metal industries	19.5	20.2	19.9	19.6	19.5	19.8	19.7	19.0	19.1	19.4	19.2	19.1	18.9
Blast furnace and basic steel products	6.2	6.4	6.4	6.4	6.3	6.4	6.4	6.2	6.0	5.9	5.9	5.9	5.7
Fabricated metal products	7.8	7.8	7.8	7.7	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.7	7.7
Machinery, except electrical	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7
Electric and electronic equipment	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.3
Transportation equipment	9.9	9.9	9.9	10.0	10.1	10.0	10.0	9.9	9.8	9.9	9.7	9.6	10.0
Nondurable Goods[c]	5.3	5.3	5.2	5.2	5.1	5.3	5.2	5.3	5.3	5.4	5.7	5.6	5.4
NONMANUFACTURING[d]	135.4	131.0	130.8	131.7	134.9	137.6	137.4	135.4	134.7	137.3	138.6	137.6	137.9
CONSTRUCTION	6.7	5.2	5.1	5.3	6.3	7.0	7.4	7.6	7.7	7.7	7.7	7.3	6.6
TRANSPORTATION AND PUBLIC UTILITIES	7.5	7.4	7.4	7.5	7.5	7.7	7.5	7.5	7.4	7.5	7.5	7.5	7.5
Communication, electric, gas services	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.1	3.1	3.0	3.1	3.0	3.0
WHOLESALE TRADE	9.0	8.6	8.6	8.6	8.9	9.2	9.3	9.3	9.0	9.0	9.2	8.9	9.0
Wholesale trade-durable goods	5.8	5.6	5.6	5.7	5.8	6.0	6.0	6.1	5.8	5.8	6.0	5.7	5.7
RETAIL TRADE	37.4	36.5	35.9	36.0	36.9	37.5	37.6	37.8	38.0	37.9	38.2	38.1	38.7
General merchandise stores	5.7	6.4	6.0	5.7	5.6	5.5	5.6	5.5	5.5	5.5	5.7	5.7	5.9
FINANCE, INSURANCE, AND REAL ESTATE	8.0	7.7	7.7	7.8	8.0	8.1	8.2	8.2	8.2	8.2	8.1	8.1	8.2
Banking	2.8	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.8
SERVICES	42.6	41.1	41.1	41.3	42.3	43.1	43.3	43.5	43.2	43.9	43.3	42.7	42.8
Health services	19.0	18.4	18.5	18.5	18.8	18.8	19.0	19.3	19.3	19.2	19.3	19.3	19.3
Hospitals	10.1	9.7	9.8	9.8	10.0	10.0	10.0	10.2	10.2	10.2	10.3	10.3	10.2
GOVERNMENT	23.5	23.9	24.4	24.5	24.1	24.5	23.4	21.0	20.6	22.7	23.9	24.5	24.7
State government	4.0	3.8	4.2	4.3	3.9	4.2	4.2	3.6	3.3	3.3	3.9	4.3	4.4
State government education	2.5	2.4	2.8	2.8	2.4	2.7	2.6	2.0	1.7	1.7	2.5	2.9	2.9
State government, except education	1.5	1.4	1.5	1.4	1.5	1.5	1.5	1.6	1.6	1.5	1.5	1.4	1.5
Local government	17.5	18.0	18.1	18.2	18.2	18.2	17.2	15.3	15.2	17.3	18.0	18.1	18.2
Local government education	11.1	11.6	11.8	11.9	11.7	11.8	10.6	8.8	8.7	10.9	11.6	11.7	11.8
Local government, except education	6.4	6.4	6.3	6.4	6.4	6.4	6.5	6.6	6.5	6.4	6.4	6.4	6.4

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1987 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes.

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AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$13.30	$13.49	$13.46	$13.39	$13.27	$13.25	$13.24	$12.90	$13.04	$13.43	$13.24	$13.37	$13.43
Durable Goods[b]	13.59	13.80	13.78	13.72	13.58	13.52	13.51	13.18	13.33	13.71	13.53	13.68	13.67
Primary metal industries	14.43	14.25	14.31	14.28	14.14	14.21	14.33	14.42	14.49	14.82	14.49	14.70	14.73
Blast furnace and basic steel products	13.84	14.22	14.13	14.04	13.83	13.78	13.86	13.59	13.72	13.73	13.71	13.72	13.78
Fabricated metal products	13.15	13.85	13.70	13.44	13.30	13.15	12.93	12.76	12.81	12.83	12.99	12.89	13.19
Machinery, except electrical	11.51	11.44	11.57	11.45	11.55	11.65	11.82	11.49	11.61	11.56	11.10	11.06	11.53
Electric and electronic equipment	10.88	10.67	10.70	10.74	10.76	10.73	10.70	10.94	10.96	11.08	11.19	11.14	10.98
Transportation equipment	14.68	15.13	15.04	15.08	14.88	14.72	14.62	13.79	13.97	14.40	14.24	14.62	14.66
Nondurable Goods[c]	10.19	9.96	9.89	9.69	9.92	10.35	10.32	10.41	10.28	10.39	10.34	10.23	10.55
TRANSPORTATION AND PUBLIC UTILITIES	13.47	13.24	13.20	13.22	13.28	13.26	13.51	13.69	13.72	13.73	13.59	13.58	13.62
Communication, electric, gas services													
WHOLESALE TRADE	8.97	8.79	8.88	8.83	8.96	8.88	8.91	8.95	8.93	9.04	9.07	9.15	9.26
RETAIL TRADE[d]	5.90	5.76	5.85	5.85	5.89	5.91	5.91	5.94	5.93	5.94	5.99	5.91	5.95

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics; Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

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Ohio Bureau of Employment Services
Columbus 43216 3-25-88 RS-790-4-8 (1987)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.7	42.8	43.1	43.3	43.1	42.7	42.8	42.0	42.[illegible]	43.3	42.8	42.4	41.7
Durable Goods[b]	42.9	43.1	43.4	43.6	43.4	43.0	43.1	42.2	42.3	43.5	42.8	42.5	42.0
Primary metal industries	42.8	42.4	42.8	42.7	42.9	41.9	42.6	42.2	43.[illegible]	44.9	43.0	43.0	41.9
Blast furnace and basic steel products	45.3	44.4	45.2	45.0	46.1	44.0	46.1	44.7	45.2	46.2	45.7	45.6	45.9
Fabricated metal products	41.1	42.4	42.6	42.1	41.2	41.3	41.3	41.0	40.0	39.8	40.8	40.4	40.4
Machinery, except electrical	41.9	41.0	41.7	42.0	41.2	43.3	43.8	41.8	41.6	40.6	41.3	42.4	41.6
Electric and electronic equipment	39.9	38.8	38.5	38.9	40.8	39.9	40.6	39.7	39.4	37.8	40.3	42.1	42.5
Transportation equipment	46.1	47.4	47.0	48.6	48.1	47.2	46.4	45.8	44.3	45.9	45.3	43.4	43.0
Nondurable Goods[c]	40.4	39.1	40.1	40.8	40.2	40.2	40.6	40.3	40.1	41.3	41.9	41.2	39.1
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	40.3	39.7	39.6	39.7	40.7	40.4	41.0	40.8	40.6	40.6	40.3	39.8	40.4
WHOLESALE TRADE	38.1	38.8	38.3	38.0	37.8	38.3	38.4	38.1	37.5	37.8	37.6	38.7	38.2
RETAIL TRADE	29.3	29.2	29.2	29.0	29.1	29.6	29.4	29.5	29.3	29.4	29.3	28.8	30.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
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AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN MSA, 1987[a]

Industry	1987 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$567.91	$577.37	$580.13	$579.79	$571.94	$565.78	$566.67	$541.80	$548.98	$581.52	$566.67	$566.89	$560.03
Durable Goods[b]	583.01	594.78	598.05	598.19	589.37	581.36	582.28	556.20	563.86	596.39	579.08	581.40	574.14
Primary metal industries	617.60	604.20	612.47	609.76	606.61	595.40	610.46	608.52	624.52	665.42	623.07	632.10	617.19
Blast furnace and basic steel products	626.95	631.37	638.68	631.80	637.56	606.32	638.95	607.47	620.14	634.33	626.55	625.63	632.50
Fabricated metal products	540.47	587.24	583.62	565.82	547.96	543.10	534.01	523.16	512.40	510.63	529.99	520.76	532.88
Machinery, except electrical	482.27	469.04	482.47	480.90	475.86	504.45	517.72	480.28	482.98	469.34	458.43	468.94	479.65
Electric and electronic equipment	434.11	414.00	411.95	417.79	439.01	428.13	434.42	434.32	431.82	418.82	450.96	468.99	466.65
Transportation equipment	676.75	717.16	706.88	732.89	715.73	694.78	678.37	631.58	618.87	660.96	645.07	634.51	630.38
Nondurable Goods[c]	411.68	389.44	396.59	395.35	398.78	416.07	418.99	419.52	412.23	429.11	433.25	421.48	412.51
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	542.84	525.63	522.72	524.83	540.50	535.70	553.91	558.55	557.03	557.44	547.68	540.48	550.25
WHOLESALE TRADE	341.76	341.05	340.10	335.54	338.69	340.10	342.14	341.00	334.88	341.71	341.03	354.11	353.73
RETAIL TRADE[d]	172.87	168.19	170.82	169.65	171.40	174.94	173.75	175.23	173.75	174.64	175.51	170.21	179.10

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

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Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget: Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of
Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	60
Nonmanufacturing	35
Mining	50
Construction	11
Transportation and Public Utilities	43
Wholesale Trade	13
Retail Trade	20
Finance, Insurance, and Real Estate	10
Services	35
Government	70

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark. Employment data for 1987 will be revised at the next benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

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